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Vol. XCVIII.

# YOU ARE SAFE WITH THE SUNDRIES OF EVANS SONS LESCHER & WEBB, LIMITED THE LEAST TOXIC OF LOCAL ANÆSTHETICS USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE Does not create a habit and does not give rise to headaches, nausea, vertigo, or syncope. :: :: Literature on demand. NO HOME OFFICE LICENCE REQUIRED Cheaper than Novocain and Benzocain. Supplies now obtainable from the sole British Agents. MAY & BAKER, LTD., Battersea, London, S.W.11 Manufacturers: LES ETABLISSEMENTS POULENC FRÈRES, PARIS.

UNSURPASSED



AND WALLEY ORN

BRITISH MADE

# VANILLIN "MONSANTO"

MANUFACTURED BY

GRAESSER-MONSANTO
CHEMICAL WORKS

LIMITED

Ruabon, N. Wales

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# PYORRHŒA PASTE



Is YOUR mouth sweet and cle

THE public is now awake to the dangerous character of the disease Pyorrhæa; there is a steady demand for a specific.

May we send you a sample?

Per 7/- doz.

Powerful black and red colour effect. Show outers and forceful showcard.

A "KNOWN, ADMITTED & APPROVED" REMEDY.

Thymol and Carbolic Tooth Paste, Dental Cream, etc.

PYORRHOA PASTE PYORRHOA PASTE

5/9 per dozen, 66/- gross.

Name and address on a minimum of 6 dozen which may be assorted in any manner desired. Goods to the value of £2 delivered free in the U.K.

#### ARTHHURSTICOX & COSLITIO

Menufacturing Chemists

BRIGHTON ENGLAND

Established 1839.

TRADE

MARK

B

#### OUR DISPLAY OF BRUSHES IS WORTH SEEING

We are not showing at the Exhibition, but have arranged for any Chemist to inspect our complete range at our new Showrooms at

#### 121a, BUNHILL ROW, LONDON - - E.C.1

#### NAIL BRUSHES.

Fibre- - - - Per Doz. 1/-, 2/6, 2/9, 3/-, 3/6, 4/-, 4/6, 5/-, 5/6
Wood & Fibre - ,, ,, 1/-, 2/6, 2/9, 3/-, 3/6, 4/-, 4/6, 5/-, 5/6
,, & Bristle - ,, ,, 4/6, 5/-, 6/-, 7/6, 9/-, 12/-, 18/-, 21/-, 24/,, & Fibre, Duplex ,, ,, 2/-, 2/9, 3/6, 4/-, 4/6, 5/6
Bone & Bristle ,, ,, ,, 12/-, 13/6, 16/6, 21/6, 25/,, ,, Handle ,, ,, 10/6, 12/-, 15/-, 18/-, 21/6, 24/,, with Wings, Handle. Per Doz. 14/-, 16/6, 18/6, 22/-, 24/6 28/-

#### TOOTH BRUSHES.

Bone Handle, Child's 3 Row Per Doz. 2/9, 3/6, 4/-, 4/6, 5/6, 6/-, 7/6

"" 4 Row Per Doz. 3/6, 4/6, 5/6, 6/6, 7/6, 9/-, 10/6, 12/-, 14/6

Celluloid "" 3 "" 3/6, 4/6, 5/-, 6/
"" 4 "" "" 3/6, 4/-, 5/-, 6/-, 7/-, 9/-, 10/6, 11/3, 12/6

#### HAIR BRUSHES.

#### MILITARY HAIR BRUSHES.

Bristle, Real Ebony, Per Doz. 25/-, 27/6, 30/-, 36/-, 42/-, 48/-, 60/-, 66/-, 72/-, 84/-, 96/-, 108/-, 120/-, 130/-, 144/-White Fibre, Imitation Satin & Ebony, Per Doz. 7/6

#### SHAVING BRUSHES.

Badger 1st & 2nd Quality. Bone Handles, Mixed Bristle & White Hog. Metal & Box Wood, All Metal, Various Patterns. Prices on Application.

SAMPLE RANGE of any of the above goods can be had from 30/- and upwards, Carriage Paid, less 5% on all orders accompanied by remittance.

SATISFACTION GUARANTEED.

#### CALL AND INSPECT

or write asking for any particulars you require.

## The Standard Brush Company 121a, BUNHILL ROW, LONDON, E.C. 1.

Three Minutes from Moorgate Station (Metropolitan Railway).

# EXHIBITION

- AND -

#### EMPIRE DRUG TRADE MART

WILL BE HELD IN

#### The Central Hall, Westminster, London, S.W.

From MONDAY to FRIDAY

JUNE 18th. — 22nd, 1923

11 a.m. till 9 p.m. daily.

Open to the Trade only.

The Public are not admitted.



LL branches of the Trade will be represented, and it will prove to be the most comprehensive Exhibition of its

kind ever held. Pharmacists, Merchants, Exporters and others interested should not fail to pay a visit to the Central Hall next week, where the very latest productions can be inspected in a minimum of time and under most favourable conditions.

Tickets of admission can be obtained on application to the Secretary:

#### The BRITISH & COLONIAL DRUGGIST, Ltd.

194-200 BISHOPSGATE, LONDON, E.C.

Telephone: Bishopsgate 2148.

Telegrams: "Pharmacist, Ave, London."

 $\frac{1}{2} \left( \frac{1}{2} \left$ 

# A PENNY MORE PROFIT ON Zam-Buk

- On July 1st the wholesale price of Zam-Buk will be reduced to 12/- doz. small size. The large size remains the same, viz., 28/6 doz., and the minimum retail prices are unaltered at 1/3 and 3/-.
- We have been fully aware that our distributing friends in the trade have been up against heavier standing charges, but the enormous increase in goods costs during the War made any addition to the rate of profit quite impossible.
- It is only within the last year that raw material prices have fallen in any marked degree and have now enabled us to offer the trade **One Penny per Box Extra Profit on Zam-Buk.** The percentage of profit on Zam-Buk, buying on Window Show terms of 5% on a £3 parcel (assorted between all lines), is  $31\frac{2}{3}\%$  on investment.
- BILE BEANS and KER-NAK. In order to bring our prices up-to-date we have decided to abandon the 2/- and 4/6 prices and revert to the old 1/3 and 3/- sizes. The wholesale prices for both Bile Beans and Ker-nak will be the same as Zam-Buk, viz., 12/- per doz. small size, and 28/6 per doz. large size.
- All existing stocks of 2/- and 4/6 sizes Bile Beans and Ker-nak returned to us, or any wholesaler, will be credited at the price paid. New goods will be ready for despatch from June 18th.

We are Exhibiting

AT THE

CHEMISTS' EXHIBITION

- CENTRAL HALL - WESTMINSTER, S.W.

June 18th---22nd

C. E. FULFORD, Ltd.

CARLTON HILL

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#### .... MUFFS ....

Shake Muff, insert in centre Brick, enclose in good sized paper bag and close to, or wrap loosely in two thicknesses paper, twisting ends "cosaque" fashion.

#### ....COATS.....

Wrap Brick in muslin, drop it 9 inches on string from centre of hanger—place garment thereon, hang up, fasten buttons, and if possible, cover whole with paper.

#### ·VELOUR HATS

Insert hat or hats within strong cardboard box, fix to each bottom corner \* Brick, wrap in paper. Valuable hats can be kept in perfect safety thuswise.

# Everyday

throughout the year there is a steady-call for pleasantly perfumed Indian Bricks—not only for refreshing the house generally but for protecting Furs, Clothes, Lingerie, etc., from the nefarious activities of moths and other pests. If you can suggest easy protective methods to your customers, the higher will be their appreciation and larger the number sold. We submit a few suggestions.

#### INDIAN PERFUME BRICK



HENRY C. QUELCH & Co., 4/5, Ludgate Square, E.C.4.

#### ···FUR GLOVES

Within each
Glove invert
Brick, place
palm to palm,
place in loose
bag, twist end
and tie.

#### ....TOP COATS....

Follow hint for Coats, but owing to greater surface, put Bricks in side and ticket pockets. Coat is then amply protected.

#### ·····BLANKETS....:

Wrap Bricks in two-fold muslin and roll up with Blankets, two or three, not forgetting to put one or two next the wood of drawer or chest.

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# Jayrees finest quality Pure Olive Oil

Huile d'Olive de Provence.

### SPECIALLY PREPARED FOR SALADS AND MEDICINAL USE

Packed in reputed  $\frac{1}{4}$ ,  $\frac{1}{2}$  and 1 pint sizes.

Prices on request.

John Thompson

LIVERPOOL

Telegrams: "DRUGS, LIVERPOOL,"

Telephone: ROYAL 1434 (3 lines)



# INVITATION

#### MR. LOUIS K. LIGGETT,

Founder and President of the United Drug Company, is now in England, and will address a meeting of Rexall Agents at the

WALDORF HOTEL, ALDWYCH, LONDON, on Wednesday, June 20th, 1923, at 2.30 p.m.

A very cordial invitation is given to all Rexall Agents to attend this meeting.

Mr. Liggett will be supported by the Chairman, MR. W. C. CHURCH, and other Directors of the Company, also SIR CHARLES F. HIGHAM, Advertising Consultant to United Drug Company, Ltd., Nottingham, one of England's Leading Business Experts, will address the gathering.

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The United Drug Company, Ltd., Nottingham, takes this opportunity of stating that it is prepared to place 250 additional Rexall Agencies between now and October 1st, 1923, and enquiries from Pharmacists, in areas at present not covered by a Rexall Agent, will receive prompt attention.

June, 1923.

IF YOU ARE ATTENDING

#### THE CHEMISTS' EXHIBITION

DON'T FAIL TO CALL AND SEE US

OUR STAND IS AT THE

#### HEAD OF THE STAIRCASE

LEADING TO THE LOWER HALL.

We extend a cordial welcome to all our friends.

Why not make it your rendezvous?

#### C. R. HARKER, STAGG & MORGAN, LTD.

DEVON WHARF and BELL WHARF, EMMOTT ST., MILE END, LONDON, E. 1

# Photographic Products

(WHOLESALE QUANTITIES ONLY)

Acetic Acid

Chloral Hydrate

Citric Acid

Cream/Tartar

Formaldehyde

Lecithin Ex Ovo

Lithia Carbonate

Milk Sugar

Oxalic Acid

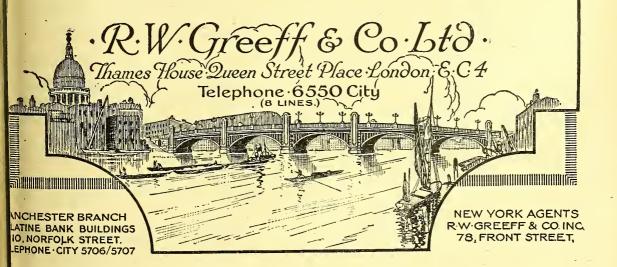
Phenacetin

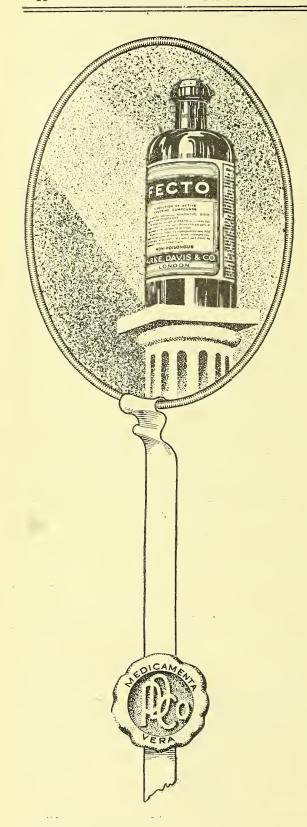
Salicylates

Tannic Acid

Tartaric Acid

Thymol Cryst.





Laboratories: Hounslow.

# Fecto

A CHLORINE DISINFECTANT

A water-white solution of alkaline hypochlorites, readily yielding chlorine.

Its germicidal power is twelve times greater than that of phenol.

Fecto does not mask an offensive odour with one more powerful, but destroys the odour and its cause.

Fecto is sold in 8-oz, and 16-oz, bottles at 1/3 and 2/3 each. The minimum wholesale prices are 10/2 and 18/- per dozen.

Supplies are also available in bulk. A trial bottle and particulars of sales aids will be sent to pharmacists upon request.

PARKE, DAVIS & CO., 50-54 Beak St., LONDON, W.1

# Maws



# Page

# Chemists' Exhibition An Open Invitation

Aldersgate Street is a Home of Ideas for the retail chemist. Here you will find, conveniently displayed, a comprehensive set of samples of our products, covering, not only those goods usually classed as "staples," or "bread-and-butter lines," but also a number of original and profitable side lines.

These showrooms are a part of our service to our customers. They are arranged with the idea of offering suggestions that you can use in your own business. They reflect the spirit of enterprising progress that is the outstanding feature of the House of Maw.

We invite you to pay us a visit when you come to the Chemists' Exhibition. Even if you have no immediate purchases in view, the visit will be profitable.

When you come, make a point of visiting the "Parex" Parlour, the artistic apartment set aside for the rest and recreation of our visitors. The "Parex" Parlour is the last word in commercial enterprise. You will find it an artistic treat.

S. Maw, Son & Sons. Ltd.
Aldersgate St., London.

and Barnet.

Telephoner City 7 Private Branch Exchange

Telegrams
Eleven
Cent
London



Cables: Eleven London Code A.B.C. 44&54 Edition



# Digestive Ferments & Glandular Products

of all kinds, packed in Powder, Liquid, Tablet and Capsule form, also in bulk.

We invite your enquiries for

Pepsin, Sol. and Insol., 2,500, 3,000 and 5,000 tests
Pancreatin, U.S.P. Diastase.
Amylopsin. Trypsin.
Thyroid. B.P. and U.S.P. (Standardised).
Suprarenalin (Standardised). Natural product only
Parathyroid, etc., etc.

Prices for quantities on request.

Deliveries from stock.



KINGSWAY - LONDON.

# Show the smartest window

in the thoroughfare

One that will be not only the cynosure of all feminine eyes, but a display that for artistic merit and brilliant colouring can be seen a considerable distance right and left of your pharmacy, besides being capable of bringing custom from across the road. Such a powerful window trim is that sent out with all orders for

# Colorite HAT DYES

Further, such an appeal is backed up by a clever, persuasive and persistent Advertising Campaign on a national scale. So easy of sale is "COLORITE" that any number of your own confrères have—from all parts of the country—expressed themselves thus regarding its saleability:—

"EASY SALE, BECAUSE OF BEAUTIFUL WINDOW MATERIAL AND PRESS ADVERTISEMENTS."

NOTE

We can loan you "COLORITE" Electros for use in your own advertisement in your local press, with space for your own name and address; also we can supply lantern slides free of charge to exhibit in your local cinema. Just ask for them!

If you have a stock, but have not had the 1923 Show Material send a postcard to-day, it's yours for the asking. In a clear window it is but a few moments' work to put in this never failing "sale inducing" display, whilst you will be agreeably surprised at the short time that will elapse before continuous "COLORITE" custom commences. We know this from experience all over the country.

#### THESE ARE THE STANDARD ASSORTMENTS

				G1035	U DUZ.	3 102.					Q1035	0 1002.	3 402
Dull Black		••		48	24	6	Brought forwar	d			117	58	23
Gloss Black				14	7	2	Grey, Dull				4	2	2
Navy Blue, Dull				18	8	4	Sage Green, Dull				3	2	1
Navy Blue, Gloss				6	3	2	Old Rose, Dull		٠.		4	2	2
Cadet Blue, Dull				6	3	2	Cardinal Red, Dull				4	2	2
Victory Blue, Dull				8	4	2	Cerise, Dull				4	2	2
Burnt Straw, Dull				- 2	1	1	Lavender, Dull				3	1	1
Nigger Brown, Dull		•1•		12	6	3	Violet, Dull			• •	3	2	2
Yellow, Dull		• •	• •	3	2	1	Natural, Gloss	• •			2	1	1
					-	_							_
Carried forward	ì			117	58	23	l				144	72	36

HENRY C. QUELCH & CO. 4/5 LUDGATE SQ., LONDON, E.C.4.



You may send Carriage Paid Home at once—with the 1923 Super-attractive, Business-compelling show material the following:—

3 Doz. 6 Doz. 12 Doz

STANDARD ASSORTMENT

N.B.—Strike out assortments you do not require—fill in your name and address, then cut out coupon and post to: HENRY C. QUELCH & CO., 4/5 Ludgate Square, E.C. 4 now.

Name	
Address	

#### CROOKES' COLLOSOLS

The Original Colloidal Preparations for Medicinal Use.

......

COLLOSOL ANTIMONY COLLOSOL ARGENTUM COLLOSOL ARSENIC COLLOSOL CUPRUM COLLOSOL FERROMALT COLLOSOL HYDRARGYRUM COLLOSOL JODINE CÓLLOSOL MANGANESE COLLOSOL PALLAMINE COLLOSOL SELENIUM COLLOSOL SULPHUR

Telegrams:

"COLOSSALLY, WESTCENT, LONDON."

Telephone: MUSEUM 3663-3697.

HE astounding growth of Collosol script during I the past few months has been commented upon by the trade.

Vigorous propaganda has brought the exceptional value of these products prominently before the medical profession, which is prescribing them in increasing quantities.

The margin of profit given makes the Collosol preparation an attractive one from the pharmacist's standpoint, and he enjoys the prestige of association with distinctive and really reliable products.

#### THE CROOKES LABORATORIES

(British Colloids Limited). 22 CHENIES STREET, TOTTENHAM COURT ROAD, W.C. 1.

DOCTORS and CHEMISTS are specially requested to have my prices for bottles and sundries before ordering elsewhere. I specialise in MEDICALS, VIALS, POISONS and SUNDRIES, and can quote for any bottle in any colour.

DELIVERY FROM STOCK.

W. J. CAPON

55 Palfrey Place, South Lambeth, S.W.8. Telephone: Brixton 3537.

#### Showing "COLORITE"

will give welcome impulse to JUNE sales.

Missing to post the coupon mentioned other side will not only deprive you of added business but profit too.

Be wise and act quickly

## NEW ZEALAND HONEY

Packed in 1's and 3's Glass & Monopots, etc.

Sweetmeat, Food, Nature's own: Medicine. Guaranteed pure. Stock the best and increase your trade.

The author of "Science of Eating" says :-"We are lengthening life by modern sanitation, by saving infants, etc., while killing off men and women in the early forties with diabetes and obesity. For a hundred reasons, all of them compelling, let us eat less sugar and more Honey."

A lady shopping on the South Coast told her grocer:

"I didn't know Honey was so nice until I tasted 'IMPERIAL BEE.' I shall always keep it on the table now."

Apply for full particulars and prices to:-

#### A. J. MILLS & Co., Ltd.,

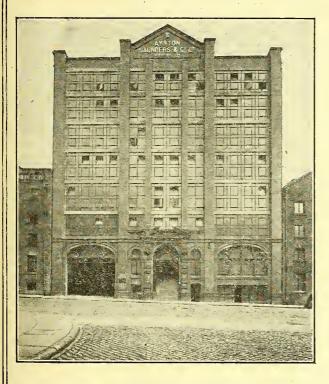
Produce and Canned Goods Dept.,

14, TOOLEY STREET, LONDON, S.E.1

Sole European Agents for :-THE NEW ZEALAND HONEY PRODUCERS' ASSN. LTD.

# AYRTON, SAUNDERS & CO. LTD. 34 HANOVER STREET LIVERPOOL

A cordial invitation to meet us at the Chemists' Exhibition STANDS 20-21-22-29-30



DEPARTMENTS:

DRUGS AND GALENICALS PACKED SPECIALITIES COMPRESSED TABLETS PILLS AND CAPSULES DRUGGISTS' SUNDRIES MEDICAL GLASSWARE PATENTS AND FANCIES BOTTLES SPONGES AND CORKS

Service to others is a duty to ourselves

#### NEW **EFFERVESCIBLE**



## FRUNF HEALTH SALINE

A Splendid Seller.

SEND A POSTCARD FOR A SAMPLE TIN AND JUDGE IT FOR YOURSELF.

4-oz. size .. Retails 9d.; Wholesale 6/6 per doz. 6/3 in 1 gross lots.

8-oz. size .. Retails 1/4; Wholesale 11/6 per doz. 11/- in 1 gross lots.

1 gross quantities sent Carriage Paid.

Chrystoid (CHEMISTS) Teleg ams: "Bluechrys, Liverpoo!."

MANUFACTURING CHEMISTS. Ltd., Bootle, Liverpool.

'Phone: Bootle 126.

#### The Original Health Salt of the World.

Summer-time sales are always high when you have "Natural" for your customers. It is in great demand as a health-giving saline-for it is recognised and acknowledged to be the only Natural Way to Health.

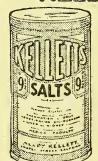


The Save-the-Discs Scheme is proving immensely popular. You can enter the Trade Section now—there are 303 prizes to be won.

If you are not stocking "Natural," send now for particulars and terms to-

Wilkinson & Simpson Ltd. Manufacturing Chemists,

NEW CASTLE-UPON-TYNE.



for Rheumatism, Gout, Sciatica, &c. Well advertised to the Public.

RETAILS at 9½d. showing 35% profit

> From all Wholesalers. Send a postcard for Terms.

KELLETTS SALTS, Ltd. Chapel St., SALFORD.

108 galls.

HOGSHEADS. 54 galls.

27 galls,

Grade A.

STRENGTH 16.5°-17° Abs. Alc.

Grade B.

19 St. Dunstan's Hill, London, E.C.3.

Telephone: Avenue 3013.



# TO the busy Chemist "Mineral Spring" means a quick profitable turnover and the assurance of repeat sales—a definite building up of goodwill for the Pharmacy.

"Mineral Spring" is the Chemist's Own Effervescible and is not supplied to the Grocery or similar trades. Orders for "Mineral Spring" are solicited on the basis of its demonstrable superiority to any competitive saline. "Mineral Spring" is Kerfoot (i.e. Chemist's) quality.

The profit on "Mineral Spring" is never less than 33% on selling price, and for orders of only 5 gross is over 40%. "Mineral Spring" has excellent keeping properties, and the growing public demand ensures its sale while it is in a thoroughly active condition.

RETAIL PRICES 1/- & 2/TRADE 8/- & 16/PER DOZEN.
P. A.T.A.

All supplies of the r/- size are now sent out packed in this attractive carton,



COPYRIGHT

THOMAS KERFOOT & COLD BARDSLEY VALE, LANCASHIRE, & Bardsley House, London, N.1 ESTABLISHED 1797.

# SPECIAL EXHIBITION BONUS OFFER

Every Chemist and Pharmacy Proprietor is cordially invited to visit

#### STAND 132

where our Representatives will be pleased to give full particulars of the above Bonus scheme.

GENATOSAN LIMITED LOUGHBOROUGH.

#### WOOLLEY'S LYSOL

ANTISEPTIC—DISINFECTANT.



Woolley's Lysol is a powerful Antiseptic Disinfectant, practically free from Carbolic Acid, but as a Bactericide 21 times as strong.

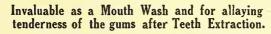
Being concentrated it is economical and inexpensive; it is soluble in all proportions in alcohol, chloroform, ether and water, and forms a *clear* disinfectant fluid.

Woolley's Lysol is not destructive to clothing, does not corrode instruments; whilst in the strength used for disinfecting and for bathing it does not irritate or cause smarting.

4 oz.	8 oz.	16 oz.	32 oz.		½ gall.		l gall.
1/0	 1/9	 <b>-3/0</b>	 4/9		7/6		<b>12/6</b> retail.
7/0	 12/0	 20/0	 <b>32/6</b>		<b>60/0</b>		<b>99/0</b> per doz.
6/6	 11/0	 18/6	 30/0	2 gro	ss 1/0	size	or equivalent.

#### PHENATE OF SODA SOLUTION

THE IDEAL TOILET ANTISEPTIC.



ANTISEPTIC and ASTRINGENT.



A Dentist writes: "I have found it invaluable in dental practice for syringing the sockets after removal of teeth which have been subject to an acute attack of *periostitis*; the strength used is one part of the solution to 15 parts of hot water, the relief from intense pain being instantaneous.

MINIMUM RETAIL PRICE P.A.T.A,--

5 oz. 1/6	10 oz. <b>2</b> / <b>9</b>	20 oz. <b>4/6</b>	40 oz. <b>7/0</b>	80 oz. 12/6 each.				
TRADE PRICE—								
5 oz.	10 cz.	20 oz.	40 oz.	80 oz.				
13/6	<b>24</b> /0	<b>39/0</b>	<b>60/0</b>	104/0 doz.				
Carriage paid on orders of £5.								

JAMES WOOLLEY, SONS & CO., LTD.

MANCHESTER

#### You Cannot Buy Better!

#### MALT **EXTRACT**

Ask for Samples and Prices.

Also in attractive Containers, with client's own name and address.

JEFFREYS, MILLER & CO., Ltd.

Leyland Mills, WIGAN.



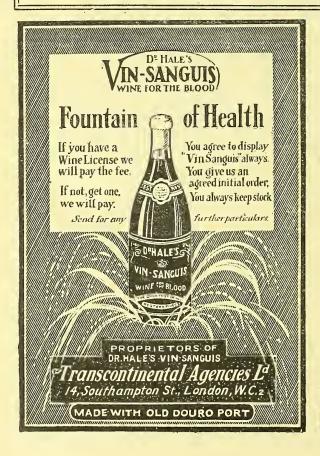
#### Sells readily ALL the time

COLEMAN & CO., Wincarnis Works, NORWICH.

#### IMPORTANT NOTE TO CHEMISTS

#### WITHOUT LICENCES

It has been established by law that Registered Chemists may sell "Wincarnis" with Quinine without a licence.



"BEST for MOTHER and BABY "



Equals Grade "A" Milk 5 oz., 10 oz. and 16 oz. net. Decorated air-tight tins. Retail Price .. 1/6, 2/- and 2/6.

SPECIAL QUOTATION TO CHEMISTS FOR BULK. Manufactured by

PRIDEAUX'S FOOD ETC. COMPANY, LIMITED,

Pioneers of the Dried Milk Industry. Eight Creameries in Dorset, Somerset and Wilts.

London Office: 16 Southwark Street, S.E.1.

Send for Trade Terms and full particulars to:

PRIDEAUX'S FOOD etc. Co. Ltd.

MOTCOMBE, DORSET.



#### PERFECT CONCENTRATED FOODS

Bovo-Lactin—formerly known as Protox—is considered to be the most successful attempt yet made to evolve the ideal concentrated food. It was devised and elaborated by the late E. C. Hort, F.R.C.P. (Edin.), of Harley Street.

Bovo-Lactin is an easily assimilated, highly nourishing and concentrated preparation specially indicated in the dietary of sickness and as a stimulant and restorative in health.

Bovo-Lactin consists essentially of carefully calculated amounts of animal protein (in some instances ox plasma), hæmoglobin, milk solids and carbohydrates.

Bovo-Lactin is combined with various "vehicles" to form:

#### Invalid Bovo-Lactin

Maximum food value in minimum bulk. Indicated in:
Influenza, Pneumonia,
Fevers, Gastric and Duodenal Ulcers, Toxæmia,
Vomiting, Asthenic
Conditions.

#### ANALYSIS

Fat		• • •	8.05%
Ash	***	/	
Moistu		•••	4.08%
	nydrate		1.5
Non.	Nitro.	Ext.	
Matter	's	•••	67.81%
			100.00%

Protein ... 18.56%

#### Bovo-Lactin Essence

A true tonic food with high Vitamin content. Indicated in:—Secondary Anæmia, Debility, Neurasthenia, Insomnia. Also in health as a stimulant and a restorative.

#### ANALYSIS

Protein			30.38%
Fat			0.16%
Ash			18.80%
Moistur	e		23.28%
Carbohy	drates	&c	
Non. N			
Matters			27.38%
			100.00%

#### Bovo-Lactin Chocolate

A powerful energiser. Invaluable in Debility, Wasting Conditions, etc. In Health it forms a perfect food of great biological value.

#### Bovo-Lactin Gruel

Specially valuable for Nursing Mothers and for Children. Revivifying and stimulating. Easily assimilated.

#### CONTAINS

67½ grammes (2.37 oz.) of Bovo-Lactin combined with 385½ grammes (13.63 oz.) of finest chocolate powder.

#### CONTAINS

67½ grammes (2·37 oz.) of Bovo-Lactin combined with 385½ grammes (13·63 oz.) of the finest oatmeal.

These preparations are manufactured under the most careful medical supervision, strictly according to Dr. Hort's original formulæ. They contain no drugs or preservatives of any kind.

The manufacturers will gladly on request forward samples and literature for personal investigation. They will also be pleased to send a free supply direct to any patient nominated by a practitioner who desires to make a more extended trial of the preparation.

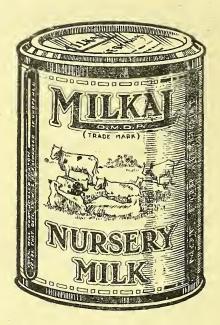
#### FOOD PRODUCTS, LTD., 2, The Green, TWICKENHAM

Sole Distributing Agents for the United Kingdom and Ireland: HENRY C. QUELCH & Co., 4-5, Ludgate Sq., London, E.C. 4

Foreign Agency enquiries are invited.



Produced and Packed in Devon (England) by MILKAL, Ltd., London and Devonshire.



A new and well-advertised line for you to handle

#### FULL-CREAM DEVONSHIRE MILK

Milkal Nursery Milk is Milk—nothing added-nothing taken away but the water content. Mixed with hot or cold water it is again clean liquid milk of the real milk flavour.

Milkal Nursery Milk is distributed and recommended by J. Lyons & Co., Ltd.

Stocks are replenished frequently, and if necessary stocks will be taken back and cash refunded at any time. You may safely recommend Milkal Nursery Milk for Infant Feeding from birth, and for every purpose where clean full-cream milk is desired by the housewife and mother.



Straight from Devon in a tin.

Retail. Wholesale. 1 lb. Size.....2/9½ 3/6 1/95 ½ lb. Size......1/5

Extensive advertising in the daily press has already resulted in a widespread interest in Dried Milk products. The introduction of Milkal Nursery Milk means that the Chemist or Druggist can sell Full-Cream Devonshire Milk by the pound or half-pound.

Sole Distributors :-

#### LYONS & CO., LTD.

Cadby Hall, London, W.



#### G.O. Lemonade

2d. size	• •				gross
$3\frac{1}{2}d.$ ,, $6\frac{1}{2}d.$ ,,	٠	• •	28/- 51/-	,,	,,
	I/- tins				"

#### Bonus for Window Displays.

1 dozen  $6\frac{1}{2}$ d. free with £3 parcel.  $2\frac{1}{2}$  dozen  $6\frac{1}{2}$ d. ,, ,, £6 ,,

#### A suggested £3 parcel is as follows:

				Lemonade		••	0	s. 8	0
12	,,	32d.		>>	• •	• •	1	8	Ü
4		6½d.		39	• •	• •	_	17	-
1	**	1/-	"	>>		• •	0	8	0
	Less	2½ p	er ce	nt. for C.W.	0.		£3	1	0

1 doz. 6½d. size free in payment for display. Sells for £4 18s. 6d. Your profit 40 % on turnover.

Also 100 free samples with a £3 order.

#### You will SELL MORE SEIDLITZ of all kinds if you stock and show

G.O.

Packed in Smart Cellophane Envelopes with your Name and Address on back. Window Slips and Showcards supplied.

#### Seidlitz Powders

EXTRA STRONG LEMON FLAVOURED (Sweetened).

#### WINDOW SHOW TERMS

Special Carr. Paid Parcels.

1	1½ Gross and honus of packets free.	1 11 6	2 19 0
2	3 Gross and honus of 60 packets free.	3 3 0	6 3 0
3	5 Gross and bonus of 100 packets free.	5 5 0 less 5 %	10 5 0

Less 2½% for C.W.O. Retail 3d. P.A.T.A. PACKED IN HALF-GROSS SHOW OUTERS.

#### THE GREENWICH LEMONADE CO., (J. Milner, M.P.S.)

11 John Penn Street - - London, S.E.13

# PAPIER POUDRE



British Made Goods.

Note our Trade Marks.

"LEHCARESOR."



Beware of Spurious Imitations.

PAPIER POUDRE, LTD., 46 Baker St., Portman Sq., London, W. I.

WHITE, ROSE or RACHEL Tints, 4d., 6d., 8d., and 1/4 size Booklets, 2/8, 3/9, 5/- and 10/- per doz. net, respectively.

SUNBURN TINT, 8d. and 1/4 sizes only, 5/- and 10/- per doz. net.

NOTICE TO THE TRADE.—We are now making a 3d. book in WHITE, ROSE, and RACHEL Tints at 2/- per doz. net.

#### NEW LINES IN PAPIER POUDRE.

BOOKS IN WHITE ROSE and RACHEL TINTS, containing neat Mirror, 6d. size 3/9 per dozen net. 1/- size 7/6 per dozen net.

**NEAT MIRROR CASES, 1/6** 13/9 per doz. net. REFILLS to Mirror Cases in White, Rose or Rachel, 4d. 2/8 per doz. net. 8d. SHAVING PADS, for Use after Shaving (unscented), white only 5/- per doz. net.

#### POPPŒA ROUGE

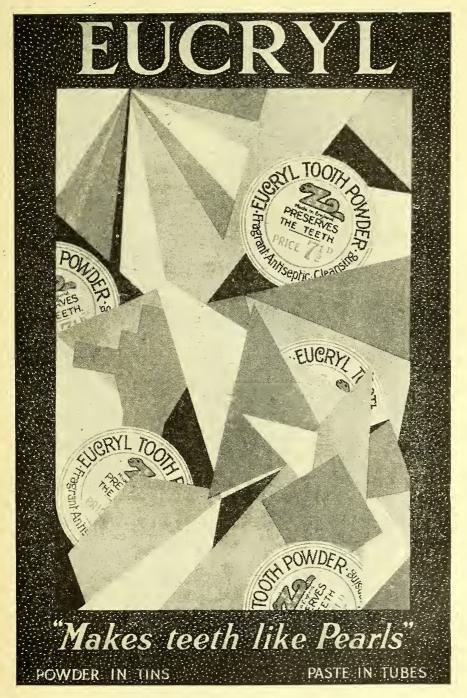
A most popular line.

(Regd.)

Made in booklet form. One size only, viz. 1/-, at 8/- per doz. net. Mirror Cases 1/6, at 13/9 per doz. Refills for same 6d., at 3/9 per doz. net.

PAPIER POUDRÉ, Ltd., 46 BAKER STREET, LONDON, W.1

#### A STRIKING ADVERTISEMENT



HAVE YOU HAD THIS POSTER FOR YOUR WINDOW?
IF NOT—WRITE US FOR IT.

EUCRYL, LIMITED, Southampton

# CO-RE-GAY

(POWDERED)

Comfort Powder

#### Holds False Teeth Firmly in the Mouth

PREVENTS SORE GUMS.

Dentists everywhere are now prescribing and sending patients to Chemists for CO-RE-GA. Sales are increasing tremendously on account of this extensive and intensive dental propaganda work. As a Dental Plate Fixative CO-RE-GA stands alone for dependability and long-lasting adhesive properties.

CO-RE-GA is a ready repeater and sells anywhere, whilst profits are not only good, but amply protected. Add to your personal prestige by handling CO-RE-GA.

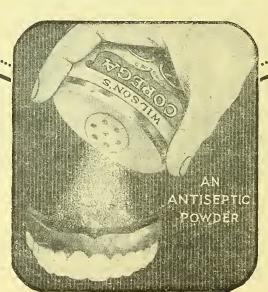
#### LIKE THE DENTIST-RECOMMEND IT WITH CONFIDENCE.

IN METAL CANISTERS:

1/6 P.A.T.A — — Doz. 12/-2/6 ,, — — ,, 20/-4/3 ,, — — , 34/-

ORDER FROM YOUR WHOLESALER—or direct from

Thos. Christy & Co. (DISTRIBUTORS),
4/12 Old Swan Lane - London, E.C.4.
SAMPLES MAILED FREE ON REQUEST.



GIVES A GOOD PROFIT ENSURES LASTING BUSINESS

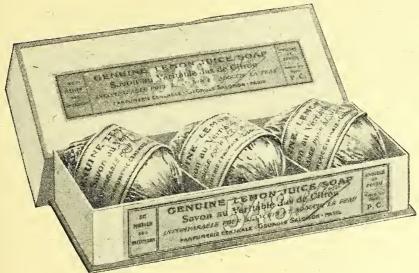
#### The

#### Heart's Desire

of every woman is to be the happy possessor of a good complexion. The Chemist who can supply a toilet soap that will ensure this is certain of his profits.

Let him extol the merits of Salomon's Lemon Juice Soap, the Soap which has become the vogue among the Paris Beauty Salons and which is made for the woman who considers nothing too good for her skin and complexion. Quality is more important than price, and Salomon's Lemon Juice Soap stands supreme.

Boxed in 3's. Retails 1/3 Tab.
Trade 9/6 doz. tabs.
Sample Tablet, 9d. Box of three, 2/3 post free.



Manufactured only by GEORGES SALOMON, Paris.

Sole Concessionnaires for Great Britain and Ireland:

#### ROBERT FERBER, LTD.

CARLTON WORKS
ASYLUM ROAD, PECKHAM, S.E.15



Mousley's Patents.



Approximate size 23"

#### LARGEST SALE OF ANY POWDER PUFF IN THE WORLD

Write for List of New Models to SOLE CONCESSIONNAIRES FOR GREAT BRITAIN AND IRELAND:

"BEAVERPUF," Ltd., Priest Bridge, London, S.W. 14

Phone: PUTNEY 166.

Regd. Trade Mark.

Only firm selling in bulk all the well-known and exclusive high-class perfumes, including-

#### Chypre, Lorigan, Amber, etc.

TRIPLE EXTRACT guaranteed manufactured from pure alcohol and natural flower essences, at prices below those imported from France.

Natural Essences & Essential Oils for all Toilet Preparations.

#### NO SYNTHETIC.

For quotations and samples apply to Sole Concessionnaires of

BERENGER FILS PARIS & GRASSE (Established 1810)

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#### LINES THAT SHOW GOOD PROFITS



#### Taylor's CIMOLITE PREPARATIONS

50 YEARS' REPUTATION.

· Used in all Royal Nurseries and by the Nobility.

CIMOLITE TOILET POWDER.

Emolife Foller Powder.

Boxes, 1/1½ (per doz. 9/6)

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Bottles, 3/3, 6/6 (per doz. 30/-, 55/6)

CIMOLITE TOILET CREAM.

Collapsible tubes, 1/3 (per doz. 11/6)

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Per tablet, Ed.; per box 2/(per doz. 3 tab. boxes, 20/-)

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CIMOLITE SHAVING SOAP,
Sticks, 1/3 (per doz. 11/6)

Sticks, 1/3 (per doz., 11/6) SHOWCARDS and Counter Bills on application. NOW ON THE

P.A.T.A. Cimolite Prepara-tions are stocked by all wholesa'e houses,

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P.A.T.A. PROTECTED PRICES THREE .. 9d. Bath

PRICE PER 89/~

.. 5d. 44/6 Toilet 22/3

Visitors .. 2<sup>1</sup>/<sub>2</sub>d.

THE LAST WORD IN PERFUMED SOAP. EACH TABLET WRAPPED IN CELLOPHANE.

Write for Samples to

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Toilet Soap Makers.

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The bonus offer of 13 to the dozen makes profits on Enolin Tooth Paste still more attractive—are you

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Essential Oils-Synthetics. All Raw Materials for Perfumery.

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There is a trade discount of 331% off all retail prices, together with a BONUS on all orders of £3 10s. and over.

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Toilet Specialties.

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A complexion soap.	10/-	- 1
For the lips,	•	
PARSIDIUM JELLY For wrinkles,	10/-	1/-
ALLACITE OF ORANGE BLOSSOM	22/6	2/6
A dressing cream.	The state of the s	
BORANIUM	22/6	2/6
CLEMINITE	22/6	2/6
COLLIANDUM	22/6	2/6
PERGOL	22/6	2/6
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STALLAX	22/6	2/6
JETTALINE	31/6	3/6
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A depilatory. MENNALINE	36/-	4/-
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MERCOLIZED WAX	31/6	3/6
STYMOL For oily complexions and black	<b>36/-</b> heads.	4/-
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BARSYDE Dandruff eradicator.	22/6	2/6
TAMMALITE	22/6	2/6
LIQUID PERGOL	31/6	3/6
To check excessive perspiration BICROLIUM	locally. <b>22/6</b>	2/6
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HARAPOSA  Nut oil shampoo.  COCONOIDS	31/6	3/6
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Messrs. PARKER, BELMONT & 36/-CLYNOL BERRIES 58/6 6/6 For obesity. SOFT PALERIUM... 45/-5/-LIQUID NAIL POLISH ... 1/-

Stocked by ALL Wholesale Houses.

COLONIAL DEPOTS AND AGENCIES.

Brilliant and lasting.

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You can sell Sorbo Sponges every day of the week except Sunday—and sell them at a big profit!

Extensive advertising and the eager recommendations given by delighted users have "told the world" about Sponges. Sorbo You don't have to push them-just show them in your

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window and they sell themselves.

There's a quick and generous profit-33\frac{1}{3}\%-for you on every Sorbo Sponge. ORDER TO-DAY.

THE MOST ABSORBENT RUBBER SPONGE

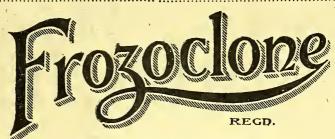
Retail Prices: No. 1, 1/-; No. 2, 1/9; No. 3, 2/6 No. 4, 3/9. Bath Sizes: No. 4R 5/-; No. 5, 7/6

Sorbo Rubber-Sponge Products, Ld.

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The Original and Best

#### SOLID EAU DE COLOGNE

has many imitators but no equal.

Its elegance and utility appeal to all.

Made from the finest Eau de Cologne. Refreshing when rubbed on the forehead, pleasant as a smelling bottle, invaluable in a heated atmosphere and when travelling. A real acquisition to every household. Excellent after shaving. A boon to those in hospital.

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SPECIAL TERMS FOR BONDED SHIPMENT OF 4 gross minimum.

#### SOLID ENGLISH LAVEN

Similar size and packing as "FROZOCLONE" but in BLUE glass. TERMS AS FOR FROZOCLONE.



#### IDEAL FRUITY LAXATIVE

In Pastille form. Delicious, Reliable, Effective. Retails at 2s. 3d. minimum. Per dozen 21s. REDUCED PRICES FOR EXPORT.



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with new aud distinctive features. Softens the cuticle. Brilliant polish.

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The
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# + Your great opportunity in the campaign to



Dr. Page-Barker's Scurf Lotion is making money for Chemists everywhere, because it never fails to remove scurf, and the money-back guarantee you are authorised to make induces even the sceptic to

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Display Page-Barker in your window, and thus bring into your shop the scores of people who want to rid themselves of the irritation under which they are suffering. Think how easily you can acquire 44% profit. Once a customer is in your establishment his attention is secured, and his interest can be quickly aroused. Use Page-Barker Showbill for windows and doors. We supply these free on request. They are advertising material of unusual attractiveness, that will bring you fresh business and prepare the way for sales. If you do not stock Dr. Page-Barker's Scurf Lotion, order a supply at once, either direct from us or through your usual Wholesaler. demand is becoming enormous, and you should get your share of this business. Price, 18/- per dozen. Retails at 2/6 per bottle. On orders of 3 dozen we give a bonus of three 2/6 bottles free. Showcards with every order:



# Dr. Page-Barker's Scurf & Dandruff Lotion

GUARANTEE:

We, The Page-Barker Co., 252b Gray's Inn Road, guarantee that in any case in which Dr. Page-Barker's Scurf Lotion fails to remove and entirely eradicate scurf, we will refund the purchase price in full.

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THOS. CHRISTY & CO., 4-12 Old Swan Lane, London, E.C.4.

#### SPECIAL STOCKING BONUS OFFER

WE want you to avoid disappointing a single enquirer for NUCTONE when our big National advertising campaign starts in July. Therefore we are offering you this special inducement to stock NUCTONE now.

With 1 doz. @ 52 - per doz. 1 bottle free.

With 2 doz. 2 52 - per doz. 2 bottles free and 2½% discount. With 3 doz. 2 52 - per doz. 3 bottles free and 5% discount.

This Special Offer only holds good until the end of June. After that date NUCTONE will only be supplied on the usual terms. NUCTONE is a pleasant, harmless preparation for restoring colour to hair turning grey. It is guaranteed not to contain sulphur, lead, or any other injurious ingredient, and therefore can be sold and recommended with complete confidence. RETAIL PRICE, 6 6 per bottle.

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Manufactured by Stement, Goodall & Dunley, Ltd., 4 Dering Street, W.I.

21 -



#### THE HOUSE FOR SUNDRIES

Household Measure, with Lip, British-made, extra

9 strong per dozen net

Special large bulb Enema, with usual fittings complete in oval card box, per dozen

"Jewel" Celluloid Prophylactic Tooth Brush, each in carton per dozen

Bathing Caps, varied assortment.

Special List of these Caps on request.

27-28 CHARTERHOUSE SQUARE LONDON, E.C.1.

ALSO AT CARDIFF AND LIVERPOOL.

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the hair grower that carries the signed guarantee

"LITTO" preparations faithfully carry out the claims made for them. You need have no hesitation in recommending them to your customers, but apart from their excellence all "LITTO" preparations show 100% profit to the retailer, which make them a very attractive line to stock. There is an ever-growing demand for "LITTO"; therefore we suggest that you write for our illustrated trade list to-day.

LITTO LABORATORIES, 2 Newington Green. N.1.

# A wonderful new series of toilet preparations

is now being introduced to the British public under the title of Melba. The series comprises Face Creams and Powders, Rouges, Lip-Sticks, Complexion and Manicure Specialities, etc., and the prices are graded to meet almost every class of custom.

A hearty invitation is extended to Chemists visiting the Exhibition to call at Stand No. 137.

# MELBA TOILET PREPARATIONS

are confined to chemists and stores, and the manufacturers are embarking on huge publicity campaigns to create demand. Powerful window-show material supplied with orders.

Write for Price List.

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Members of the profession unable to procure tickets of admission should communicate with A. Connell & Co.

CHEMISTS' EXHIBITION

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STAND 57

NUJOL MISTOL

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BRILLIANTINES & TOILET PARAFFINS

LIQUID PARAFFIN

PETROLEUM JELLIES

AND ALL MEDICINAL PETROLEUM PRODUCTS

"SPECIALTY" DEPT.

ANGLO-AMERICAN OIL CO., LTD.

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That brand on the back of the brush means that the brush is RIGHT. It indicates the finest of material transformed into the finest of nail brushes by patent machinery.

The public know STAR Brushes, they have been educated by intensive advertising to the high quality of household brushes of this brand, and now no other brush can compete.

You have only to mention the name "STAR" and the brush sells itself, therefore it is well to keep a good stock of the full range.

We are making a splendid offer to introduce STAR Nail Brushes to those who are not yet carrying them—a sample case containing 81 brushes of the best selling lines for £1 carriage paid.

This offer shows our confidence, yours will be shown by ordering.

DO IT NOW!



STAR BRUSH CO., LTD. EDEN GROVE, HOLLOWAY, N.



21



A Unique Product! A Sound Policy!

# ARMAND Cold Cream Powder

# WHAT THE CONSUMER THINKS :

"Armand is just what I've been seeking for years. I shall always use it in future."—A.M.W.

# WHAT THE DEALER KNOWS:

"I am selling well to satisfied customers."
—An Armand Dealer.

Armand Policy recognises that the goodwill and co-operation of our Dealers is the greatest asset we can have and the soundest basis upon which to build.

Consequently we are the world over giving to the Chemist in greater profits and direct sales assistance that portion of profit usually used in forcing demand.

Your agreement with these principles has been evidenced by your readiness to come into partnership with us, and the remarkable co-operation you are giving us.

When in the course of a few months more we have together placed Armand on a basis where its sale becomes automatic your return in cash profits at I/- and I/II per box will afford a gratifying return upon the initial effort, while your dealings with us will never fail to demonstrate our appreciation of your goodwill.

E. O. Gilmore-

Managing Director.

# ARMAND COLD CREAM POWDER

In the "Pink and White Check HAT BOX." Sells at 4/-and makes 1/11 profit.

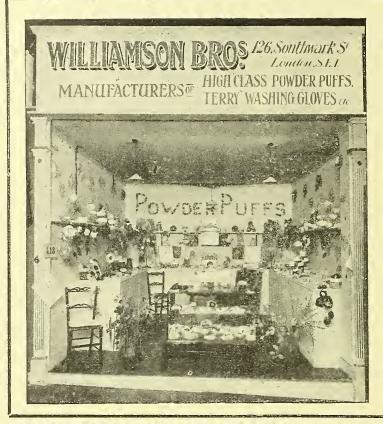
# ARMAND BOUQUET

A less dense Powder, in square boxes, sells at 2/- and earns 1/- profit for the Chemist. Prices P.A.T.A.

# Florian & Armand, Ltd

Queensway,

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# POWDER PUFFS

AT THE

CHEMISTS' EXHIBITION,

BUT WILL BE PLEASED TO SEE OUR MANY CUSTOMERS AT OUR SHOWROOMS.

WE WILL HAVE A FULL RANGE OF NOVELTIES AT THE

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Illustrated: Our Exhibit, London Fair and Market, 1922.

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&c.

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BIDWELLS NEW DESIGN.



# ADVANTAGES:

Used up and down on the teeth it cleans in between them, and if pressed down hard the bristle will not crush.

Short knots in extra hard white, yellow or black bristle, long knots always white. Ventilating holes in back and hole in handle for hanging up. Sterilised and sealed in transparent Carton.

PRICE 17/- dozen; 19/- Hard. MINIMUM RETAIL 2/3 each; 2/6 each.

Castle Mills, Axminster, Devon.

# INCREASE IN SALES

That is the increase registered to May over the same period last year in No. 11 "Cutex" Liquid Nail Enamel.

This testifies

- (a) That as a Liquid Nail Enamel it is Standard—is firm in the public favour and thus possesses an unquestioned demand.
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- (c) That "Cutex" Liquid Nail Enamel yields an abnormal return on trivial space occupied.

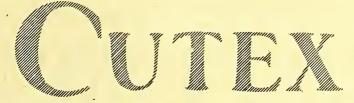
Like all other "Cutex" preparations it is featured in an ambitious, educative

Press Campaign of national dimensions. All in all, "No. 11" Liquid Nail Enamel is as saleable and profitable an item for a Chemist to interest himself in as we know. For that reason we suggest to those who have yet to test its selling merits—and who are still sceptical about Sales-at-sight lines—that they should try two cards now—they will not regret their decision.

We illustrate a package and its self-selling display card.

Of course, we shall send Show Cards with all orders and deliver same carriage paid home.

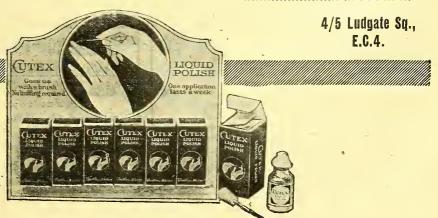
PRICE 18/- PER DOZ. SELLS AT 2/- EACH,



# LIQUID NAIL ENAMEL

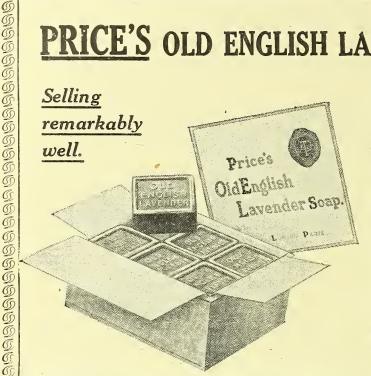
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No. 1 " 2 4 5 6 7 222	Cutex," the	white Polish	Cake, W	emover, Small , Medium Thite ink rial size Metal Tube	18/- 36/- 18/- 18/- 5/6	P-A-T-A.  2/- 4/- 2/- 2/- 2/- 7½d. 1/- 2/-	No. 9 " 10 11 13 14 16 17 18 19	Cutex '	" Nail Polishing P. Liquid Nail Enar Cuticle Comfort Nail Bleach Pow. Compact Manicu: Travelling " Boudoir " Five Minute Set	, Plair nel der re Set		2/~ 2/~ 2/~

Henry C. Quelch & Co.



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# PRICE'S OLD ENGLISH LAVENDER SOAP



This exceedingly popular Toilet Soap is put up in the three following sizes:—

VISITORS in 12-cake boxes 14/9 per gross.

ORIGINAL TOILET SIZE In 6-cake boxes 41/3 per gross. In 12-cake boxes 39/9 per gross.

BATH SIZE 64/- per gross in 6-cake boxes.

All the above are packed in the neat, familiar wooden boxes.

N.B. We have specially reserved for Chemists an uncoloured Old English Lavender Soap, Toilet size, at the same prices as above indi-

Terms and samples on application.

PRICE'S, BATTERSEA LONDON, S.W.11.

# G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

> RITISH RUSHES

Please write for full Particulars to-

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# This is more than a high-class Toilet Soap. ROSE EMOL" SOAP, This is more than a high-class Toilet Soap, The ingredients used its composition make it a really effective

SKIN and COMPLEXION Soap. THE PUBLIC DEMAND IT. Good Selling Line. Well advertised:
8d. per Tablet. Trade Prices: 6/3 per doz., 3 doz. lots; 6/- per
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# "GALJADO" HAIR COLOUR RESTORER

which is not a dye, for grey or faded hair.

Medium size 12/- per dozen. - S.P. 2/- per bottle. Large ,, 22/- ,, ,, - S.P. 3/6 ,, ,, ,, 22/- ,,

Obtainable of all Wholesalers or direct. Current price lists sent free on application to

THE GALJADO PERFUMERY CO. LTD. 9 GOSWELL ROAD, LONDON, E.C.1.

# "Clover Leaf CORN SILK

36/-PER GROSS **ENVELOPES** 

Chemist's name and address printed on orders for 6 dozen or over.

Designed by us to meet the wide-spread need for a Corn Silk which will be

# ATTRACTIVE **POPULAR PROFITABLE**

Book your order without delay and avail yourself of the following

# SPECIAL OFFERS

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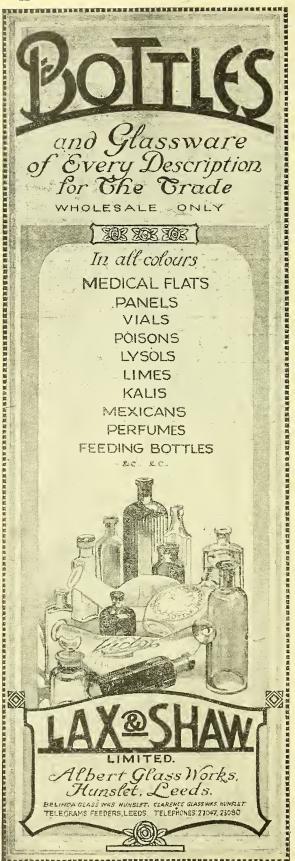
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With the above material at your disposal, large and permanent sales are assured.

Write us for full particulars.

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Unit Cartons help you to make every article you sell an advertisement for every other one you make. At the same time they keep your name fixed in memory.

We shall be glad to explain the Unit Carton Idea to you at the Chemists' Exhibition, but you should have the fully descriptive brochure, entitled "Unit Designs Make Sales."

May we send it? It's quite free.



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HALL
June 18 to 22

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**EVEN** CORKAGE

THE REINFORCED LIP

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ACCURATE CAPACITY

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Medicals (plain and graduated), Flat Dispensing, Panel Flats, Poisons, Limes, Kalis, Emulsions, Tobins, Vials, Tablets, &c. &c.

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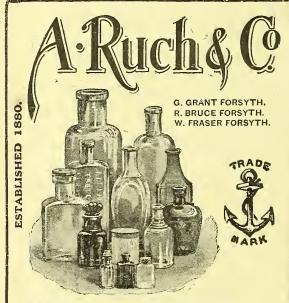
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RETAIL AT WHOLESALE PRICE.

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Good quality. Accurate measure. Reduced prices.

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Telegrams: "Isaglasbot, Kincross, London:"

# TRADE RECOGNITION

In several of our advertisements we have asked the trade not to be afraid of troubling us by their enquiries as to whether we stock "this or that article," and we are pleased to say our enquiry department is kept busy since we mentioned the matter. It is an everyday occurrence for a customer to say: "I didn't know if you stocked so-and-so, but thought I'd ring you up."

### **OUR IMMENSE** BESIDES STOCK **OF** GLASSWARE



LIMES MEDICALS VIALS **MEXICANS** 



**TOBINS** KALIS **POMADES PANELS CANNONS** 



WE STOCK CAPS, WADS, BOXWOOD AND COMPOSITION STOPPERS, TIN SAMPLE CASES, & MANY OTHER SUNDRIES











# CHEMICAL & LABORATORY GLASSWARE

# LANG

CHARLTON WORKS. CHARLTON PLACE, ISLINGTON, LONDON, N.1. (Opposite Agricultural Hall.)

Telephone-North 2770-2 (3 lines). Codes-ABC, 5th Edition.

Scott's 10th Edition (1906).

Telegrams-" Assorted, 'Phone, London." Bentley's Complete Phrase Code.



Support Home Industries.

SPECIFY ROBINSON'S

# CHEPETTE BOXES

when ordering from your Wholesale House.

※

Both quality and appearance are superior to the poor grade Willow Boxes of German and Austrian make.

\*

Deliveries are prompt and reliable.

Ж

Prices have been reduced and the good quality maintained.

# ROBINSON & SONS, LTD.

CARDBOARD BOX MANUFACTURERS.

A CHESTERFIELD.



Established 1857.



# -once again

The Ronoleke's debut into the field of advertising was a very great success. It proved, indeed, a record season of sales. Thus encouraged, we are running a more extensive campaign for the coming season, and we have reason to hope for even greater success.

The Ronoleke is now well known. It is known by the public to be all that is claimed for it, which is saying a good deal, and it is known by the chemist to be a

profitable line to handle. So this season's advertising will be sown on fertile ground; the spade work is done.

The public will go to the chemist who shows them that he stocks Ronolekes; let them see that you do, and you'll be very pleasantly surprised with your turnover.

The Ronoleke appeals to all pockets—the large variety of sizes, and the two qualities, drab and super red, enables everybody to have their choice. Don't forget that what Ronoleke did for you in quick turnover and fine profits last season it can—and will—do again now - - only very much more so.



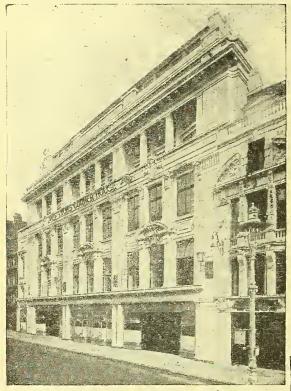
SUPER RED

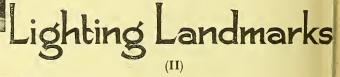
, DRAB

Size	Wholesale	Retail	Wholesale	Retail
	Prices	Prices	Prices	Prices
8×10	6/-	9/-	4/8	- 6/6
8×12	6/8	10/-	5/3	7/-
10×12	7/8	11/6	6/-	8/-

Stock Ronoleke, Let us have your order now. £5 orders and over less 5%, plus a further 5% for prompt cash.

OBTAINABLE FROM WHOLESALERS, SUNDRIESMEN, &c.





THE new Lyons Corner House—the largest tea restaurant in the world—is illuminated throughout by OSRAM GASFILLED LAMPS No less than 3,500 lamps are in use daily, giving a total light of 2,000,000 candle power.

Make your electric light brighter, and your electric ligh bill lighter, by using



Of all Electricians, Ironmongers and Stores.



sst. £ s. d.

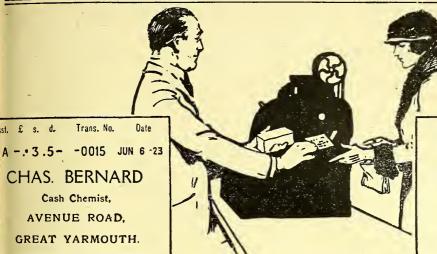
Trans. No.

CHAS. BERNARD

Cash Chemist.

AVENUE ROAD.

GREAT YARMOUTH.



HAVE YOU SEEN

our new stock of flasks?

IDEAL FOR PICNICS.

WILL KEEP TEA HOT OR KEEP ICE COLD.



1. Front of Ticket. 2. Back of Ticket,

# **Chemists Giving Tickets** More Profits Making

Do you know how helpful and profitable the National Cash Register Ticket System is? Every day, Chemists in all kinds and sizes of businesses are purchasing

New Ticket Printing

# NATIONAL CASH REGISTERS

because the ticket system is the most effective way of making a business endure and prosper.

There are small as well as large ticket-printers
and all are very much in demand and favour.

# Ten reasons why you should give customers a ticket:

- 1. Stops mistakes in change and prevents disputes.
- 2. Protects customers, proprietor and assistants.
- 3. Prevents return of goods purchased else-
- 4. Enforces correct shop records of every transaction.
- 5. Secures customers' confidence and "goodwill.'
- 6. Positively checks every penny taken in or paid out.
- 7. Advertises the goods and the business.
- 8. Helps supervise the business during your absence.
- 9. Holds trade and brings new cus tom.
- 10. Increases turnover and Net Profit.

N.C.R. Co., Ltd., 225, Tottenham Ct. Rd., London, W.1.

The

Please send without charge or obligation further details of your new Ticket Printing Registers.

The National Cash Register Co., Ltd., 225, Tottenham Court Road, London, W.1.

THE COUPON TO-DAY

Take the first step to a more

prosperous business by POSTING

Telephone: Museum 1680 (4 lines).

Branch Offices

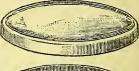
Name....

C. & D. .....

# Aluminium Ointment Boxes Fill the gap between the chip box and the porcelain pot. Try an assorted dozen. You will find them just what you want. Per gross: \( \frac{1}{4} \) oz. \( \frac{1}{2} \) o









# **Opportunities** for Retailers



We often take back used Cash Registers when customers are installing larger or more up-todate machines. These National Cash Registers

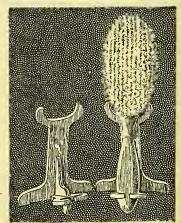
# Thoroughly Overhauled and Rebuilt

sold under Company's full guarantee at reduced prices.

Write for details of "Nationals" available.

Dept. R.5,

The National Cash Register Co. Ltd., 225, Tottenham Court Rd., London, W.1.



Regd. Design.

Patent applied for

STUDY THE VALUE OF PERSPECTIVE IN YOUR WINDOW.

# The Samways Hairbrush Display Stand

is Ideal for displaying HAIRBRUSHES and HAND MIRRORS.

It will hold them in any of three positions. Front or back can be shown or the handle may be placed upwards. Price 15/- per doz.

Ask your Wholesaler for them. If any difficulty, send to us, allowing 6d, for postage. Any surplus will be promptly refunded

SAMWAYS MANFG. CO., Ltd. 256 Broad St., Birmingham.

Lorimer-Marshall, Ltd., for PACKED GOODS

Granular Effervescent Citrate of Magnesia
Seidlitz Powders (Plain & Lemon Flavoured)
Health Salt Salines
Compound Syrup of Hypophosphites
Blood Purifier Tonic Elixir
Children's Tonic

AT KEENLY COMPETITIVE PRICES.

LORIMER-MARSHALL, LTD., 12 Tower Hill, London, E.C. 3
Works Telephone: New X 2119.

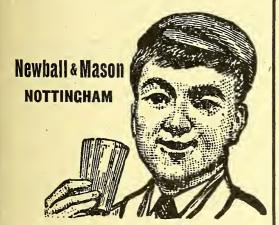
Telegrams: "Lorimarce Rilegia London"

Works Telephone: New X 2119.

Telegrams: "Lorimarsco, Bilgate, London."

NOW IS THE TIME TO ORDER

# MASON'S EXTRACT OF HERBS



"Good! It's Mason's!

# **CHEMISTS' EXHIBITION**

You are specially invited to call at

STAND No. 38 THE CONFERENCE HALL

where you will find Rubinat-Llorach and other Natural Mineral Waters.

You will find there old friends and new friends, and if you have a licence you can make the acquaintance of a new and unusual product which sells rapidly and profitably.

Stand 38 - Conference Hall - Remember

### For the Prevention, Relief "COMFYLEAF" and Cure of

.. Per doz. £15s. 1 Pkt. gratis. 3/6 Pkts. 12/6. 5% cash with order.  $2\frac{1}{2}$ % one month.

"COMFYLEAF" LABORATORY.

Extracts from recent letters—"Please send large packet of 'COMFYLEAF.' I derive much benefit from it. The last pkt, saved two attacks, also £2 5s. each time for doctor, and two injections of morphia."—"Please forward 30 treatments of 'Comfyleaf." Packet received proved invaluable. The best thing I have ever tried."

300 Hagley Road, BIRMINGHAM.

# FREDK. FINK & CO.,

10 & 11 MINCING LANE, LONDON, E.C.3, SPECIALITIES.—Cums Arabio and Tragacanth as imported or finely powdered.

Mrs. BOWLES, 64 Great Portland Street, LONDON, W.1,

undertakes the

DEVELOPMENT AND PRINTING OF AMATEUR FILMS FOR THE TRADE.

Low Charges. \*

Prompt service and good work

"DEPENDABLE TOBACCO WHOLESALERS."

MIXED PARCELS A SPECIALITY. Established Fifty Years.

Price Lists mailed on request. A PROFITABLE SIDE LINE FOR CHEMISTS.

SINGLETON & COLE, LTD., CANNON ST., BIRMINGHAM.



FOR COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses, Trial Size 8d., per post 104. 1/4 size, per post 4/5; 3/6 size, per post 2/10; 3/9 size, per post 4/5; 8d. size, 6/- doz.; 1/4 size, 12/- doz.; 2/6 size, 24/- doz.; 3/9 eize, 36/- doz.

SHADEINE.CO., 58 WESTBOURNE CROVE, LONDON, W.

BOXES & CANISTERS

(made in our own works) at keenly competitive prices.

Let us quote for any kind or size you need. Or ask for list of STOCK TINS

GOODALL, BACKHOUSE & CO., Leeds,



### BOOKS FOR PHARMACISTS.

Send us a postal card and we will send you a 32 page catalogue of professional and business books for pharmacists, and a copy of

"THE SPATULA"

an filustrated monthly magazine for druggists, full of American snap and enterprise.

THE SPATULA, BOSTON 14, MASS, U.S.A.



# PRECIPITATED

Lightest and Whitest, also Purest Dense

Apply to Aug. Levermore & Co., Ltd. 8-10 Gt. St. Helens

Telegrams: 'Levermore London."

Telephone, Central 4613.

**BROMIDE AND GASLIGHT** 

POSTCAR DS.
All Surfaces packed in 100's. 23/6 per 1,000 carr.paid
Also VARIOUS PAPERS and CARDS. Enquiries solicited Quality guaranteed. Money refunded if unsatisfactory

Apply J. BARLOW, 44/46 Wandsworth Road, S.W.8. Telegrams: "Enlarbromi, Claproad, London." 'Phone: Brixton 2166.
ESTABLISHED SINCE 1907

The Best Hand-made Cigarette in a New Packing

Sundried Virginia Corinthian The Brand to Handle. 1/4 per box of 20.

Carriage paid on any quantity. ALL TOBACCO SUNDRIES.

Enclosure sent to Wholesale London Houses.

SADLER & MOORE, Spital Square, London, E.1

# **ELASTIC ANKLET** and KNEE CAPS FROM 24/-

THE ALTRINCHAM RUBBER COMPANY Kingsway, Altrincham.

### DOOMO AIRSHIP FLY BAND



Write for quotations A wide, long band, sticky on both sides.

SMITH & CO., Doomo Works, NEWARK



if increasing your business every day is of paramount importance to you, and we recton it is,—then investigate our P.P.T. plan at once—lose no time—get sample and "Every Day More Business" circular. NO ADVERTISING THAT A CHEMIST CAN DO BRINGS IN SO GOOD OR BETTER RETURNS at so triffing an outlay. increasing your business every day at so trifling an outlay.

THOS. CHRISTY & CO., 4-12 Old Swan Lane, E.C.4

# RAN

JRANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopæia. (Wholesale only Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON. E.C. 3. (VINUM AURANTII B.P.)

# 

F, when you enter the building, you make your way to the Conference Hall and seek out **Stand 138** you should by no means forget to leave an order. For this Stand represents a firm which, although young in years, is old in efficiency—one which, besides including in its stock all known natural mineral waters, gives the swiftest possible despatch to every order.

JOHN W. ROYLE, LTD.
67 CHARLOTTE STREET - - - W.1

R.5

# **BOOPER & CO.**

CHEMISTS' SUNDRIES
PROOFED AND RUBBER GOODS'
BATHING REQUISITES
HIRE DEPARTMENT

SPECIALITIES :--

# TERCHLORIDE OF CARBON

A hay-fever remedy with over 50 years' reputation.

# DENTOL

A fragrant mouthwash and gargle.

# LAVENDER WATER

Old and proved recipe of distinction.

# LAXALINE

A gentle and efficacious purgative.

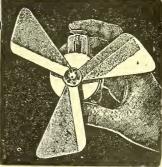
# 7 Pall Mall East, London, S.W.1.

TELEPHONE: 'REGENT 8066 (3 lines).
"SUPERABOUND, PICCY, LONDON."

CHEMISTS' EXHIBITION STAND - No. 120



"QUEEN MARY MODEL DE LUXE." Most Saleable and Profitable Summer Line.



BEST BRITISH MAKE.

# GIVES A REFRESHING AND STIMU-LATING BREEZE IN THE HOTTEST WEATHER.

Indispensable in the Ballroom, Cinema, Theatre, Sickroom, etc.

Entirely self-contained, requires no Electricity, no Windiug up, simply PRESS THE BUTTON and the Blades revolve at a high speed, creating a powerful Breeze. Beautifully finished in imitation Ivory and Tortoiseshell and fitted with a dainty Mirror. Takes up very little space and weighs no more than a watch. Diameter of Blades 5½in, which collapse to half size when not in use. Attractively packed in Siugle Boxes.

Net Trade Price 28/- dozen, post free. Fixed Retail Price 3/6 each.

Special quotation for large quantities.



<sub>特殊</sub>快级**经**的的特殊的的特殊的的特殊的的的特殊的的特殊的的

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THE

# ANNUAL SPECIAL ISSUE

The advertisement section closes for press on

# SATURDAY, JUNE 23

As we go to press with this issue (Thursday, June 14) there are still open a few

- (1) Two-colour pages on apple green paper printed in mauve and emerald green.
- (2) Half pages, quarter pages, and full-pages in ordinary positions.

In order to secure this remaining space prompt application must be made to

THE PUBLISHER,
THE CHEMIST AND DRUGGIST
42 CANNON STREET, LONDON, E.C.4

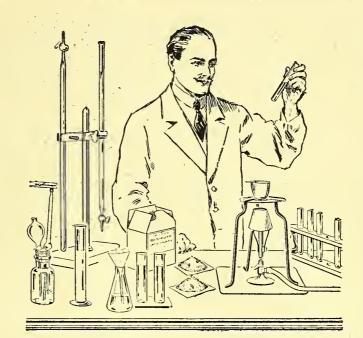
Telephone.
CENTRAL 3617
(3 lines).

Telegrams: "CHEMICUS, CANNON, LONDON."



# BISMUTH

In justice to yourself and to the advertiser you should make sure that claims in advertisements are warranted by the actual quality of the chemicals supplied.



Whether you purchase

TRADE 'WELLCOME' BRAND

# **BISMUTH SALTS**

or any other make, we ask you to

# TEST THEM PERSONALLY

We test everything we buy, and everything we issue. Your tests will confirm our claims.

'WELLCOME' BISMUTH CARBONATE, B.P., is purer than B.P.—50% less nitrate, and much less alkali carbonate. Free from lead. Constant volume per unit weight. Exceedingly light and voluminous.

In 4 oz., 8 oz., 16 oz., 4 lb. and 7 lb. cartons

The following Bismuth Salts are also supplied under the 'Wellcome' Brand: Citrate, Oxychloride, Salicylate, Subgallate, Subnitrate and Tartrate (soluble).



BURROUGHS WELLCOME & CO., LONDON

Write for particulars and prices of these and larger quantities, or ask our representative on his next visit.

# WARRICK BROTHERS, LIMITED

CHOCELLÆ. PULVELLÆ. FLEXOIDS. FLEXETTES. FIZZZLETS. (Suspended) REFRESHLETS. CRYSTADES. EXTRAITS AUX FLEURS. ESSENTIAL OILS. POMADES (FLORAL). ROSE WATER. SACHETS. PERFUMES. SYNTHOROSE. CACHOUS. FRAGRETS. NORETS. PERLES. PASTILLES. LOZENGES. ORIFORM LOZENGES. WALMSLEY CLEANING PADS.

NOSTRONES. COMPRESSED TABLETS AMULETS. POT POURRI (CINET'S) JAPADUMS (CINET'S) TOILET SOAPS. CHAPIREAU'S CACHETS. CINET'S GOODS. CACHETS. CACHET APPARATUS. ZEPHYR BUTTONHOLES. PERFUMETTES. OTTOLETTES. ZOMBS. CHANTICLEER. LUBRILAX. THE "FLAG" EAU DE COLOGNE.

Also Special Agents for JELLOIDS.
IRON JELLOIDS.
DULCILAX.

# 6, Nile Street, City Road, London, N.1.

Telephone: CLERKENWELL 2452.

CAPSULES.

Telegrams: "WARRICKERS, NORDO, LONDON."

CORRESPONDENCE FROM OVERSEAS SOLICITED.



# WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES

HE CHEMIST AND DRUGGIST is in circulation and reputation eleading journal addressing the Chemical and Drug trades in the British apire and other countries in the Old and New Worlds. It is the official gan of the Pharmaceutical Society of Ireland, the Chemists' and ruggists' Society of Ireland, and of other Chemists' Societies in the erseas Dominions.

SUBSCRIPTION RATE

TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 9d., post free; *Diary*, 10s., post free, Postal orders and cheques should be crossed "Bank of Liverpool and Martins, Ltd."

Publisher.

Pix de Jabonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20s., franco.

ERMS FOR ADVERTISING may be obtained on application to the Publisher.

ead Office: 42 CANNON STREET, LONDON, E.C.4

elegrams: "Chemicus, Cannon, London." Telephone: Central 3617
(3 lines).

anch Offices: 49 County Buildings, 4 Cannon Street, Manchester;
(Telephone: City 52,)
Melbourne and Sydney, Australia.

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# C. & D. Stock-taking Sheets

OSE chemists whose financial year closes at the end of ne, and who require to take stock, should note that C. & D. Stock-taking Sheets halve the labour of ing stock. The items are arranged on ruled paper in same order as in the C. & D. Retail Price List, ich is afterwards employed for pricing out the articles, amount of each column being then transferred to cially ruled pages at the end of the pad. Hints on ck-taking are given on the inside of the cover. The ns in the Stock-taking Sheets cover all drugs, chemis and galenicals found in chemists' shops, and, being alphabetical order, are easily found for entering up. means of the Stock-taking Sheets one person can take ck, but it is better for two assistants to work together, more experienced calling out the quantity of the g, etc., and the other entering it in the Stock-taking ets. The price of the complete pad of Stock-taking ets is 2s. 6d., post free, cash with order.

# English and Welsh News

The Editor would be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

# Poison-licence Applications

Applications for licences under Section 2 of the Poisons and Pharmacy Act, 1908, have been made by the following seedsmen and horticultural sundriesmen to Maidenhead Town Council: George Mattingley; Webber & Sons, Ltd.; R. A. Butler; Maidenhead Ironmongery Stores, Ltd.; J. T. Webster.—Mr. R. T. Luttrell, Minehead, has applied to the Somerset County Council for a licence to sell agricultural and horticultural poisons.

At the meeting of the Merionethshire County Council, on June 7, two applications for licences under Section 2 of the Poisons and Pharmacy Act, 1908, made by a Barmouth ironmonger and the Farmers' Union, Towyn, respectively, were refused by a majority. The question of granting the licences had been referred back at a previous meeting of the Council, the chemists of both towns having taken united action in petitioning the authority, and pointing out that existing facilities were adequate.

# Poisonings

The following cases of fatal poisoning, among others, have been recorded since our last report:

Two married women, Elsie E. Hopkinson and Kate Lees, former inmates of the Radcliffe Asylum, Notting-hamshire, were found near Wollaton on May 29 suffering from the effects of lysol poisoning. Hopkinson died, and at an inquest held on June 7 it was found she committed suicide while of unsound mind.

At South Normanton, a child named John A. Ludlam, aged three, obtained possession of a bottle containing atropine eye drops prescribed for another child and drank sufficient to kill himself. The coroner, in summing up at the inquest, said that the bottle, which had been obtained from a medical man, was properly labelled, but parents should see that such poisons were placed out of children's reach. He recorded a "Misadventure" verdict.

At Calverley, on June 4, an inquest was held on the body of Mr. Arthur Padgett, a local innkeeper, who was found in a dying condition in his garden on June 2. A medical witness stated that death was due to hydrocyanic-acid poisoning, and on being recalled, said that he thought hydrocyanic acid "too dangerous a thing to sell for poisoning a dog." Police evidence showed that Mr. Padgett had obtained the poison from Mr. Wright, chemist, Calverley. The register was properly signed, and showed that the poison had been purchased on February 8, 1922, for the purpose of poisoning a dog. An open verdict was recorded.

An inquest was held in Marylebone, London, on June 12, on the body of Mr. Percy George Grimshaw, assistant with S. F. Goss, Ltd., chemists, Oxford Street, W., who, the evidence showed, took a fatal dose of hydrocyanic acid on the premises after receiving notice of dismissal. Mr. Francis Arnold, general manager of the company, said that Mr. Grimshaw had been in their service for twelve years and was an excellent assistant, but it was thought that his position should be held by a qualified man Mr. Grimshaw had been depressed of late on account of a falling off of business occasioned by the closing of the roadway for repairs. A verdict of "Suicide while of unsound mind" was given.

# Birmingham

Mrs. W. A. Cadbury, who, with her husband, is on a visit to New Zealand, has been taken seriously ill in Wellington.

The first citizen to be presented to the Prince of Wales at the Town Hall on June 12 was Alderman F. C. Clayton, Ph.C.

The Uplands, Blackwell, formerly the residence of the late Sir Thomas Barclay, has been sold to the Birmingham Hospital Saturday Fund authorities for £11,000, as a school for convalescent children.

Mr. Marshall Freeman, barrister-at-law and pharmacist, presided at the meeting of the Greater Birmingham Employment Committee on June 11, when he severely criticised the city council over the canal question and that of employment.

Several local chemists are interested in the welfare work for crippled children. Mr. Lowther and Mr. Linnell have offered a room in their respective districts in connection with the forthcoming flag day, and Mr. F. H. Alcock, F.I.C., Ph.C., has been appointed chairman of the King's Heath Committee.

On June 6 the Pharmaceutical and Engineering Students of the Birmingham Municipal Technical School met in their annual cricket match. The result was a win for the Engineers by 63 runs. A vote of thanks to Miss A. R. Russell, B.Sc., for arranging tea, terminated an enjoyable half-day. Pharmacy was represented by Dr. Duff and Messrs. Draper, Roden, Jones, Shipton, Henson, Price, Ferriday, Worthington, Davis and Dent.

### Holl

Referring to a Sale of Food and Drugs Acts case, reported in our issue of June 9 (p. 797), Mr. Alfred H. Rimington, 99 Derringham Street, writes:—"In the old days, years before I took this business (where I have been for turned 10½ years), I saw and heard iplenty about chemists, etc., being fined for selling milk of sulphur, so was quite fixed against purchasing sulph, lac. myself. I purchased the article as sulph. præcip. pur. B.P., and held a warranty on invoice to that effect. This renders me innocent. But owing to a technical error in the delivering of notice of warranty, I had to appear. My solicitor made a very able defence, and I was fined 21s., including costs; what the Press wants in putting £1 15s. I utterly fail to see. Further, the wholesale firm undertook to bear all expenses in the case."

# Liverpool

Mr. Greening, Liverpool representative of Newbery's, drives about the city in a very smart motor-car, the only one of its kind yet seen in these parts.

The members of the Liverpool Rexall Club who are accepting Mr. Louis K. Liggett's invitation to meet him at the Waldorf Hotel, London, on June 20, are asked to communicate with Mr. Harold Lomax (secretary of the club), 43 Edge Lane, Liverpool, who has the local arrangements in hand.

Largely due to the bravery displayed by four men, a terrible explosion in a thickly populated district of Liverpool was recently averted. On May 30, while a steam crane was being moved from a shed on the east side of Alexandra Dock, an axle broke, causing the crane to fall over and rest on the top of two railway wagons loaded with picric acid, part of a Government consignment of 120 tons manufactured in Shropshire. These wagons were being conveyed, under military guard, for shipment on behalf of the War Department into H.M.S. "Marquess of Hartington." The fire under the boiler of the crane fell underneath one of the wagons and blazed up to the under-side of the wagon floor. At the meeting of the Mersey Docks and Harbour Board, held on June 7, it was stated that the Government had a right under law to pass through their docks and largely populated districts any explosives, however dangerous. If anything had happened to this consignment the whole countryside would have been blown away and the loss of life and property would have been beyond description. The impact on the wagons of the crane was quite sufficient to have exploded them, apart from the fire underneath.

# Nottingham

The improvement in trade is decidedly slow.

Summer beverages and straw-hat cleaning preparations

are being freely displayed locally.

The Nottingham warehouse of Boots, Ltd., for patent medicines, has been transferred to Manchester. Employees have been given the option of going to Manchester or receiving an equivalent consideration.

### Rochdale

At Rochdale Borough Police Court, on June 8, Henr Lawrence, described as a pedlar, was charged with attempting to commit suicide by drinking eye lotion containin sulphate of atropine. The case was dismissed.

Mr. Edward Thomas, chemist and druggist, has bee elected an alderman of Rochdale Town Council. Son of the late Mr. J. J. Thomas, chemist and druggist, Alderman Thomas, after apprenticeship in Manchester, went to Rochdale in 1886 and managed the business which he father had just bought from the late Councillor Ellis Lore The business at 24 Yorkshire Street was acquired by J. Thomas & Son in 1893. It is one of the oldest in the town having been established in 1834. Alderman Thomas is Vice-President of the Reform Association and a Vice President of the Wardleworth South Liberal Association. The entered the Town Council for Wardleworth South ward in 1908, has been chairman of the Health Committee since 1914, and is one of the represent tives of the Corporation on the Insurance Committee.

# Sheffield

Mr. E. Northend, Heeley, is spending a holiday yaching on the Norfolk Broads.

The fifty-ninth annual conference of the Nation Association of Medical Herbalists of Great Britain to be held in Sheffield on July 18 and 19.

Charged on remand with receiving stolen platinum a radium (C. & D., June 9, p. 793), C. Stevenson, "Sheffield druggist," has been committed for trial.

An anonymous donor has given £20,000 to Sheffic University for the purpose of founding an undergradus scholarship and a number of post-graduate scholarship

# Miscellaneous

VISIT TO WORKS.—On June 7 the Walthamstow Ph maceutical Association, with their assistants, visited talaboratories of Parke, Davis & Co. at Hounslow, who the manufacture of the gland preparations and Euthyr tooth paste were shown and explained. After tead Stanley White lectured on the standardisation of drug-

JUBILIEE LUNCHEON.—A luncheon was given at Carlton Hotel, London, on June 8, in celebration of fiftieth anniversary of the founding of Brunner, Mc & Co., Ltd. Mr. Roscoe Brunner, in the course o reminiscent speech, said that more than 11,000 men been in the company's employ for upwards of twel five years.

Wholesale Druggists' Cricket Championship.—annual match took place at Salisbury Hall Farm, on Jun when Allenburys, last year's champions, for whom W. Stokes took five wickets for eleven runs and Blick for fifteen, gained a decisive victory over their oppone Having put together a total of 80, to which W. Stokes was top scorer with 33, the champions dismithe rest of the League for 38. For the "Rest," Po (May & Baker) took six wickets for eighteen runs

Dangerous Drugs Act Charges.—At Newcastle Tyne Police Court, on June 4, William E. Bun, described as a sea-going engineer, was remanded a charge of being in unauthorised possession of tablets of cocaine hydrochloride. Dr. J. T. Dunn, proceedings and the company of the identity of early to the company of the identity of early to the company of the identity of early to t

Lead acetate in tea.—At Billericay, on June 1, John H. Taylor, described as a carrier, was comm of for trial on a charge of administering lead acetate his wife with malicious intent. Evidence showed Mrs. Taylor noticed on one occasion that tea preject by her husband had a curious appearance, and similar tea was reserved on four successive days sent to Dr. Bernard Dyer, public analyst, who cere that 26 oz. of it contained 61 gr. of lead. A me witness stated that Mrs. Taylor's symptoms consistent with mild lead poisoning.

# Irish News

# Chemists and Jury Service

Further evidence has been given on the subject of the withdrawal of the exemption of chemists from jury serice before the Government Departmental Committee itting in Belfast (C. & D., June 9, p. 794). Mr. John Bristow, Under-Sheriff of Antrim, said he saw no reason the chemists should not serve. In the country it would be hard upon a one-man proprietor who was called on. Ir. Culbert pointed out the chemist is in a different osition from the ordinary trader in this respect, and uoted the Pharmacy Act of 1875 to show how it is legal for a pharmacist to carry on the work of the shop in the absence of the principal unless a qualified man is of the charge.

### Tax on Anæsthetics

At the resumption of the debate in the Dail Eireann on he report stage of the Finance Bill, Mr. Deputy E. Duggan moved the following amendment: "During the eriod commencing on the date of the passing of this Act, nd ending on April 30, 1924, chloroform and sulphuric ther may be delivered to any public hospital using the ame for medical or surgical purposes without the payment f duty in such cases as the Revenue Commissioners may pprove, and subject to such conditions as to proof, ecurity and otherwise as the Revenue Commissioners may mpose for the purpose of protecting the revenue." The mendment was agreed to. Sir James Craig (a Deputy for bublin University) said he was very grateful to the finister of Finance for introducing this amendment. It net very fully the request which he had made the previous eek when the Finance Bill was before the House, at the recent annual meeting of the Irish Medical issociation in Dublin it was agreed to appoint a deputation to interview the Minister of Finance on this proopsed duty.

# Irish Chemists' Wine Licences

On the report stage of the Northern Ireland Licensing lill at Belfast on June 8 in the clause dealing with the sale f wine by a chemist or druggist on a medical prescription Mr. Megaw, for the Government, moved the following addition: "Where a chemist or chemist and druggist btains the renewal of a licence for the sale of wine by etail for consumption off the premises, for the sole purose of fulfilling orders or prescriptions of any duly qualied medical practitioner, compensation shall be payable o such chemist or chemist and druggist in like manner as the said licence were not renewed at the annual licensing sessions held next after the passing of this Act. Proded that the Claims Tribunal shall, in considering a laim for compensation made by any such chemist or hemist and druggist, take into consideration any advantage which the Claims Tribunal may estimate as accruing the himst said this was to meet the case of chemists who in uture would merely be supplying medicines as it were, and have the whole of their trade cut off. It was to nable them neither to be cut off altogether from compensation nor to be placed in the awkward position of having to neet the wishes of the medical profession who might ossibly prescribe medicated wines. They must take out licence in order to cover themselves. Therefore the overnment introduced this addition, which would meet be wishes of both sides. A Government amendment to be effect that any person who used methylated spirits or eithylated ether for the purpose of drinking, or who ilfully connived with any person to obtain such spirits there for the purpose of drinking would be guilty of an flence under the Act, was passed. The Bill received hird reading and is now before the Senate.

# Brevities

Monaghan County Council has appointed Mr. Charles CMullan, Belfast, as analyst.

The surplus stock of medicines, etc., held by Baxter, td., chemists, Coleraine, in liquidation, are being disosed of by public auction.

Mr. E. McManus, Ph.C., who has acquired a business in Dublin, is offering for sale the goodwill and stock-intrade of his premises in Lisnaskea, as a going concern.

At a recent meeting of the Tipperary Board of Guardians it was agreed to double the present salary of 30s. per week of Mr. P. J. Maloney, the dispenser.

At Armagh Petty Sessions on June 7, Mr. W. Prescott, surveyor of Customs and Excise, Newry, summoned William Patterson, Scotch Street, Armagh, publican, for selling methylated spirits on March 31 without a licence. Defendant, who admitted the offence, said he did not know a licence was necessary. A fine of £25 was imposed. £25 was imposed.

### Belfast

Mr. George W. Hawthorne, Ph.C., Springfield Road, Belfast, has remodelled entirely the fittings of his pharmacy and improved the arrangements of the counter and showcases.

At the Claims Court, on June 8, Hugh Marshall & Co., Ltd., chemists, Cromac Street, claimed £1,500 for the complete destruction of their premises by fire on June 1, 1922, during the Sinn Fein burnings. A consent decree for £1,350 was agreed to.

Mr. H. L. McKinstry has been appointed by F. Newbery & Sons, Ltd., Charterhouse Square, London, E.C., agent in Northern Ireland, in succession to Mr. Waddell, who has gone to England. Mr. McKinstry retains the office and sample-room at 39 Victoria Street, Belfast, occupied by his predecessor.

The Ulster Retail Drug Trade Association has issued a notice to the Belfast public that any person who finds difficulty in obtaining from his usual chemist medicines urgently required at night or on Sundays may on application to any police barracks, or doctor, see a list of pharmaceutical chemists or druggists from whom urgent requirements may be obtained, and the hours at which such services are available.

The Rev. J. Pollock, St. Enoch's Presbyterian Church, Belfast, speaking at a recent temperance meeting in Belfast, said he was glad that under the Bill the spirit grocers and the drink druggists had been virtually eliminated. The chemist shops, with some exceptions, were more dangerous than the spirit grocers, because in them there was temptation to the ill-informed total abstainer. He knew cases in which drink had ruined the homes just because it had been obtained from licensed chemists.

### Cork

At an executive meeting of the Cork Industrial Development Association, held in Cork recently, correspondence was read which indicated that 12 gallons of methylated white lac finish, for which 4s. 3d. per gallon had been paid, was stopped for payment of a duty of 75s. per gallon. The Revenue Commissioner pointed out that duty is chargeable on importation into Saorstat Eireann (the Irish Free State) upon all preparations containing spirits, as indicated in the Irish Free State Tariff.

### Dublin

A messenger lad named Burke, employed by Mr. Oliphant, chemist, Drumcondra Road, distinguished himself on June 9 by endeavouring to rescue a man from the canal at great risk to his own life.

Thomas Wall was sentenced recently to one year's imprisonment with hard labour for having sold methylated spirits in the streets. He had just been liberated from prison after serving two months for a similar offence.

# Londonderry

The committee of management of Londonderry District Asylum invite tenders for the supply of medicines to the institutions at Gransha and Strand Road from July 1 to September 30.

One of the challenge cups competed for at the Coleraine Motor Cycle and Light Car Club trials at Magilligan Strand was presented by Mr. R. F. McCartney, M.C.P.S.I., who also provided a replica in miniature for the winner.

# Scottish News

### North British Branch

The annual general meeting of the members of the Pharmaceutical Society residing in Scotland will be held at 36 York Place, Edinburgh, on June 20. Voting papers have been sent out for the election of members of the Executive. There are 18 vacancies, for which there are 22 candidates, as follows:-

Arthur, Harvey Phillips, 361 Victoria Road, Crosshill,

Glasgow.

Clark, Alexander John, 94 Morningside Road, Edinburgh.

Currie, Archibald, 102 Ferry Road, Leith.
Dick, Alexander Anderson, 223 Main Street, Bellshill.
Fisher, John Hutchison, 40 High Street, Dunfermline.
Forbes, John Johnstone, 7 Scott Street, Perth. William Stephen, 219 Morningside Road, Glass,

Edinburgh.

Henderson,

John Conroy, 4 Buccleuch Terrace, Edinburgh.

Jack, James, 102 High Street, Arbroath.
Kitchin, George Shiach, 116 Nithsdale Road, Pollokshields, Glasgow.

Mackenzie, Donald George, 148 Parliamentary Road,

Mackenzie, Thomas, 1 High Street, Inverness.
McMillan, Anthony, 317 Maryhill Road, Glasgow.
McNab, Walter Girdwood, Gorebridge.
McVitae, John Brough, 27 Langside Place, Glasgow.
Marshall, Robert, South Bridge Street, Grangemouth.
Milne, James Robertson, 126 Hilltown, Dundee.
Murray, Alexander, 255 Albert Road, Pollokshields,

Ness, Thomas, The Cross, Tarbolton. Noble, John, 1 Gladstone Place, Leith. Simpson, Charles, 23 King Street, Aberdeen. Stewart, Charles, 231 High Street, Kirkcaldy.

# Scottish Chemists' Bowling Association

The annual competition for the Ayrton Saunders trophy was held in Paisley on June 6, fourteen rinks taking part, with the following results:-

Skip
G. McDonald, Glasgow . 31
A. W. Ritchie, Forfarshire 32
J. Murdoch, Glasgow . 23
J. Murdoch, Glasgow . 23
J. Davie, Dundee . . . 19
J. Davie, Dumbartonshire 21
J. A. Russell, Greenock . . 25
W. S. Culbert, Lanarkshire 18
M. Wallace, Glasgow . . 14
M. Wallace, Glasgow . . 14
M. Wallace, Glasgow . . 14 J. A. Russell, Greenock. 23 H. P. Arthur, Glasgow . 16 W. S. Culbert, Lanarkshire 18 M. Wallace, Glasgow . 14 In the foreinoon the final tie for the Travellers' trophy was played between Mr. A. W. Ritchie, Montrose, and Mr. D. G. McKenzie, Glasgow, the former winning by 21 shots to 17. Following high tea, the annual general meeting was held, Mr. H. P. Arthur, President, in the chair. Mr. Calder, representative of Ayrton, Saunders & Co., Ltd., presented the trophy and gold badges to the winning rink, Messrs. G. Thomson, A. Watt, J. W. Logan and G. McDonald. Mr. H. P. Arthur presented prizes to the runners-up, Messrs. W. M. Ferrin, J. Hutton, J. Henderson and A. W. Ritchie. The lastnamed has won the Travellers' trophy for the second year in succession. The following office bearers were elected:—President, Mr. C. J. Stuart, Paisley; Vice-President, Mr. J. B. McLaren, Kirkcaldy; Secretary and Treasurer, Mr. J. T. Simpson, 268 Crown Street, Glasgow; Committee, Messrs. J. R. Milne, H. P. Arthur and Carmichael. Next year's meeting was fixed to take place at Kirkcaldy, on June 4. The social hour which followed the business was concluded with votes of thanks. Bowlers interested in the single-handed competition should send in their names to Mr. Simpson before June 20, when arrangements will be made for playing the ties in the various districts.

### Brevities

Mr. Peter Short, chemist and druggist, has commenced in business at Portland Place, Troon.

Edinburgh Pharmacy Athletic Club will hold its

grounds on June 27. Four events are confined to club members, five are open to the trade, and three are open to all amateurs. Entries close on June 20. The draw for the five-a-side football competition resulted :- J. F. Macfarlan & Co. v. Duncan, Flockhart & Co. (A.); Pinkerton, Gibson & Co., Ltd., v. Boots, Ltd.; and Duncan, Flockhart & Co. (B.) v. Pharmacy.

Linlithgow Town Council has appointed Mr. William W. Spence, chemist and druggist, to be Baron Bailie of Blackness.

Mr. J. Carmichael, chemist and druggist, was one of the Leslie bowlers who defeated Cupar in the Fifeshire rink tournament recently.

# Glasgow

Miss E. K. Savage, chemist and druggist, has opened a pharmacy at 759 London Road.

Mr. J. Smith, chemist and druggist, has taken over the business of Mr. J. J. Cunningham, chemist and druggist, at 297 Dalmarnock Road, Bridgeton.

The annual inter-city football match, played at Possil-park recently, resulted in a win for Edinburgh Pharpara recently, resulted in a win for Edinburgh Pharmacy by three goals to two. Glasgow Pharmacy were leading two—nil at half-time.

Mr. D. Dalglish, chemist and druggist, has taken over the business of Mr. J. B. Hendry, chemist and druggist, 11 Livingstone Street, Kilbowie, Clydebank, who has obtained a medical qualification.

A new section, rambling and tennis, has been formed in connection with the Glasgow Pharmacy Club. All interested are invited to communicate with the secretary, Miss Bain, 181 Albert Road, Pollokshields, and also to attend a meeting at 165 Hill Street, Garnethill, on June 22, at 8 p.m. The bowling section of the Club played the second rink game of the season on Wellcroft green on June 12, the competition being for the Cartwright trophy. Play was close, the largest majority being seven shots, which score was handed in by two rinks. The rink scoring in most ends was declared winner of the cup and silver cigarette cases, also the gift of W. B. Cartwright, Ltd. The winners were J. Murchie, J. McAlister, W. J. Moffat and Geo. Jarvie (skip).

# Conference Notes

The Inter-Association Sports Committee of the London Pharmaceutical Association has secured the sports ground of S. Maw, Son & Sons, Ltd., New Barnet, for the Conference fixtures of July 27, and has also made arrangements for the use of the adjoining Hadley golf course. It is hoped to carry out the sports day in a manner similar to that of the Inter-Association sports. All holders of Conference tickets will be admitted free of charge; others at 7s. 6d. each. Luncheon and a buffet tea will be provided on the grounds. There will be prizes in each competition. To facilitate arrangements, intending competitors should send the following information, according to the kind of sport desired, to Mr. Herbert Skinner, Ph.C., 16 Priory Gardens, Highgate, London, N.6:— THE Inter-Association Sports Committee of the London gate, London, N.6:-

Golf.—Two courses will be available: one eighteenhole for tournament and one nine-hole for others. Competitors should send in their handicaps.

Cricket.—A match, North v. South, is being attempted.

Northerners should send in their names to Mr. H. Antcliffe, The Beeches, Barnsley Road, Sheffield; Southerners to Mr. Skinner.

Putting (for ladies only).—Entries may be made on the

ground. Tennis.-Mixed doubles. Players must bring their own racquets and shoes. Competitors can enter singly or in Pairs. If singly, partners will be found.

Bowls.—An open competition will be arranged for entries in pairs. If at all possible, an international match, Scotland v. England, will be arranged.

# Chemists' Golfing Events

pary members of the London Chemists' Golfing Society id a visit to the Bishop's Stortford golf course on me 10, when several competitions were held, with the llowing results: "British and Colonial Pharmacist" p. W. Jones 94—18=76; Mr. Turner's Prize, E. Beaton—10=79; for Harker Prize, J. Beattie and C. Mackay tie), with a score of two down. The following qualified r the Sanger cup: W. Jones, J. Beattie, H. Benwell, id E. Beaton.

Following the meeting of the Dundee and East and entral Scotland Branch of the Pharmaceutical Society Perth, on June 6, some of the company engaged in golf contest on King James VI. course, with the blowing result:—

Dundee		Perth	
		Mr. Brunton, sen	
		Mr. Brunton, jun	
Ir. Stephen	0	Mr. Forbes	1
Ir. Ferrier	0	Mr. McKeddie	1
Y.			
	2	,	2

he prize, a silver match-box, presented by the Perth sociation, was won by Mr. McKeddie, score 73, the unner-up, Mr. J. J. Forbes, scoring 74. Mr. McDonald, resident of the local Association, presented the prize. Ir. Thomas Harley proposed the health of the visitors, hich was suitably replied to by Mr. Stephen, Dundee.

The first inter-city contest for the silver cup preented by W. B. Cartwright & Co., Ltd., for annual ompetition between pharmacist golfers in Aberdeen and lundee, took place on May 30, over Murcar course, berdeen. Though an entirely different course from hat the Dundee men are accustomed to, they defeated he Northerners in a decisive manner, as the following etails show:—

ı	Dun	dee.			A berdee:	n		
J.	Stephen (C	apt.)		1	D. Ross (Capt.)			0
K	en. Stewart			1	W. S. Taylor			0
Γ.	Robertson	(Alva)		1	J. Forsyth	•••	•••	0
A.	TTT TO .			0	M. C. Ross			1
7	Bennet		•••	0	J. Simpson			1
J.	Førbes John		•••	1	A. W. H. Marr			0
Ū.			•••	1	H. Wallace		• • • •	0
b	A.11 J			1	A. C. Bonner			0
T.	Robertson			0 1	J. Michie		•••	05
Ă.	Taylor			1	J. D. Duncan			0
r	P. Ferrier		-	1	J. Farquhar			Ö
b	Duncan		•••	1	C. A. Michie			ŏ
	Thomson	•••	•••	ō	H. M. Dugan		•••	1
	Anderson		•••	ő	W. G. Mitchell	•••	• • • •	1
ľ.	Triderson	•••		U	W. G. Mitchen		•••	_
П				04				41
				92				42

After tea in the Douglas Hotel, Mr. D. Ross expressed he pleasure all had had in the game, and congratulated he Dundee team on their superior play. Mr. Rennie managing director, W. B. Cartwright & Co., Ltd.), in presenting the cup, said it had been given as an incentive o bring together the chemists of the two cities, and so oster the good feeling and good fellowship so desirable n the craft. Mr. Charles Stephen, in accepting the rustody of the cup, thanked the donors, and expressed its appreciation of the kindly welcome by the Aberdonians.

The Ulster chemists held the annual competition for the McMullan Challenge Cup at Lurgan on June 5. Good colfing weather favoured over thirty competitors, and he course was in excellent order. The following were he best cards returned in the preliminary stroke competition:—

Class A, handicaps 18 and under:—G. W. T. McCann, 39-14=75; J. H. Haslett, 93-16=77; J. Macauley, 94-17=77; A. W. Mann, 94-16=78; H. McRoberts, 96-18=78; L. J. Woodside, 90-11=79; R. Crawford, 97-14=83; W. J. Shaw, 99-16=83; A. Morris, 98-14=84; H. Rankin, 104-15=89; A. A. Smith, 106-17=89; J. M. Poots, 102-12=90; H. T. McClelland, 109-19=91; A. Leitch, 106-14=92.

Class B, handicaps over 18:—J. J. B. Breakey, 96-20=76; W. J. Rankin, jun., 105-21=84; J. R. Guiler, 123-22=101; R. Linehan, 114-20=94; T. McGuirk, 124-22=102; L. Dobbin, 112-20=92.

The match play final over 18 holes between G. W. T. McCann and Mr. J. J. B. Breakey resulted in Mr. McCann winning the cup by 3 and 2. The prizes for the next lowest gross score in each class were won by Messrs. L. J. Woodside and W. J. Rankin, jun. The competitors were then entertained to lunch in the club house by Mr. A. W. Mann, Ph.C. After lunch a short meeting was held, presided over by Mr. Mann, who, as captain of



ULSTER CHEMISTS AT LURGAN

the club, extended a hearty welcome to Woodville Links. Votes of thanks to the club for the use of their club house and links, and to A. Finlay, Ltd., for providing golf balls as prizes, were passed. Mr. J. A. Woodside proposed that the best thanks of those present be given to their host for the day, Mr. Mann, who had entertained them with lavish hospitality. The proposal was seconded by Mr. J. Beatty (Clones), and replied to by Mr. Mann, after which Mr. Woodside extended a welcome to the competitors to Ballymena for the 1924 competition, which was accepted. The following officers were elected:—

\*\*President\*\*, Mr. William McMullan; \*Vice-Presidents\*\*, Messrs\*\*, H. G. Pring, W. J. Hardy, H. R. Haslett, T. W. McMullan, M.P., and A. W. Mann; \*Committee\*\*, Messrs\*\*, J. J. B. Breakey, H. P. Crossin, J. Dundee, A. Leitch, J. Macauley, A Morris and J. M. Potts; \*Treasurer\*\*, H. McRoberts\*\*; and \*Secretary\*\*, Mr. W. J. Rankin, jun. A sweepstake played off during the evening was won by Mr. James Macauley, with Mr. A. Morris as runner-up.

# **Business Changes**

NEEDHAMS, LTD., chemists, have opened a branch in Hewel Road, Barnt Green.

TAYLOR & SON, chemists, 31 High Street, Cheriton, are opening a branch at Morehall, Folkestone.

Mr. F. W. HOLLINGWORTH, Ph.C., has acquired a business at 45 and 47 Main Street, Sutton-in-Craven.

J. B. Hay & Co., chemists, have removed from 6 New Coventry Street, London, W.1, to 20 Jermyn Street, S.W.1.

Mr. WILLIAM WRIGHT, chemist and druggist, will shortly open a pharmacy at 100 High Street, Rushden, Northants.

MR. WHEATLEY, chemist and druggist, has purchased the business of Mr. G. T. J. Boulton, chemist and druggist, 44 Old Road West, Gravesend.

Mr. Walter Barlow, chemist and druggist, Market Place, Pocklington, has taken over the business of Mr. J. A. C. Boyden, chemist and druggist, Market Place, in the same town, who has retired after thirty-six years in business.

Mr. J. F. McNeal, chemist and druggist, is opening a business at 114 Church Road, Northwood, Middlesex. Since qualifying in 1921, Mr. McNeal has been with G. Jolley & Co., Ltd., chemists, Curzon Street. Mayfair, London, W.1.

Altered .-- At Bungay, on

# Legal Reports

Dangerous Drugs Act Charges .- At Marlborough Street Police Court, London, on June 7, George H. Johnstone, Julian Pinder, and Marjorie Hatton were again Julian Pinder, and Marjorie Hatton were again remanded on charges of being in unauthorised possession of morphine tablets (C. & D., June 9, p. 793).—At the same court, John John, chemist, trading as Rouse & Co., Wigmore Street, W.1, appeared in answer to the following summons:—"That you, on May 25, 1923, at 12 Wigmore Street, W., did dispense a certain prescription, purporting to be a prescription for the supply to one Julian Pinder, of certain drugs, to wit, morphine sulphate and atropine sulphate, you not having taken reasonably sufficient steps to satisfy yourself that the prescription was genuine, contrary to Regulation 6 of the Dangerous Drugs Regulations dated May 20, 1921, as amended by Paragraph 3 of the Dangerous Drugs Regulations of March 10, 1923." The defendant was also summoned for unlawfully supplying the drugs to Pinder, summoned for unlawfully supplying the drugs to Pinder, an unauthorised person. Mr. H. Muskett prosecuted for the Commissioner of Police, and Mr. L. A. Byrne defended. Mr. Byrne inquired if the case would be taken that day: it was, he said, going to be contested. The case, however, was adjourned without being gone into.

Compensation Application.—In Romford County Court, on June 5, Lilian Rendall applied for compensation against Howards & Sons, Ltd., chemical manufacturers, Ilford. The applicant asserted that she was suffering from dermatitis, arising from long exposure to iron and quinine citrate. Mr. Milner Helme, who appeared for the applicant, stated that she had been employed for two and a half years by Howards & Sons, and first contracted the disease six months after taking on the work. On January 6 this year she was unable to follow her employment any longer, and the employers paid her compensation for total incapacitation amounting to 29s. 9d. a week until March 15. The respondents on April 27 declined to make any more payments, on the ground that the applicant was able to follow any occupation other than her previous one. The wages had been £2 a week, and she now claimed further compensation at the rate of 35s. a week. Dr. S. Henry, Barking, who attended the applicant, gave it as his opinion, under cross-examination, that the irritation of the skin might be infectious. According to other medical evidence, the disease was quite curable by special treatment. Judge Crawford gave judgment for 29s. 9d. per week and costs to applicant, to be paid up to the time of the receipt of the employers' letter of April 27. The applicant had, he ruled, not taken advantage of the treatment open to her, and it would not be fair to hold the employers likely for appropriate the property of the pro liable for compensation during a period when the injured person might have been curing herself.

Administration of a Chemist's Estate.—Mr. Justice Astbury, sitting, on June 11. as bankruptcy judge in the Chancery Division of the High Court, London, heard an application concerning the estate of the late Mr. Alfred Sarjeant, chemist and druggist, Marden. Mr. Tindall Davis, for the trustee under the administration of the deceased's estate, said this was a special case stated by his honour Judge Parry, and raised an juterstated by his honour Judge Parry, and raised an interesting point of law as between the Official Receiver at Rochester and the Official Receiver at Northampton. Mr. Sarjeant failed at Northampton in April 1909, with a deficiency of £515. He did not apply for nor receive a discharge from those proceedings, in which no dividend was paid to the creditors. In August 1920 he commenced business as a retail chemist at Marden, where, in 1922, he died intestate. His widow, as administratrix, obtained an order for the administration of the estate. At the date of the death the liabilities, exclusive of the debts under the Northampton bankruptcy, amounted to 2796; the assets consisted of the stock-in-trade and household furniture, a book debt of £8 17s. 2d., and the freehold shop and premises, which were subject to mortgages for £350 and interest. Between May 2 and October 4, 1922, the administratrix carried on the business for the purpose of winding it up; at the latter date she sold the stock and effects for £153 5s. The present position of the estate showed liabilities to un-

secured creditors £476, exclusive of the secured creditors and the Northampton creditors, and assets valued at £237. The question submitted for the decision of the Court was whether the assets should vest in the hands of the Northampton Official Receiver for the benefit of these creditors are in the hands of the consideration. of the Northampton Official Receiver for the benefit of those creditors, or in the hands of the Official Receiver at Rochester, on behalf of the creditors under the administration order obtained by the widow. A further question would arise in the event of the latter point being allowed, as to whether the Northampton Official Receiver was entitled to prove against the estate for the unsatisfied balance of the Northampton liabilities. After hearing arguments of counsel on both sides, his lordship held that the deceased's estate vested in the hands of the Northampton Official Receiver for the benefit of the creditors under the bankruptcy. He ordered the costs of the special case to be paid out of ordered the costs of the special case to be paid out of the vote, that the costs of the Rochester Official Receiver and administratrix be retained by that Official Receiver, and that the balance be handed to the Official Receiver for Northampton.

Insurance Prescriptions Altered.—At Bungay, on June 8, Mr. Frank Robert Rump, chemist and druggist, was summoned for having unlawfully and knowingly by a certain false pretence, namely, by altering a certain prescription issued by John H. Busteed for 1 oz. of linimentum saponis into 3 oz., obtained a sum of 3d. from the East Suffolk Insurance Committee with intent to defraud, contrary to the Larceny Act, Section 32. There was a second charge of altering a prescription of Leonard B. Cane for 6 oz. of linimentum stimulans into 12 oz., and attempting to obtain 8d. with intent to defraud. A third information was of altering a prescription of Leonard B. Cane for 2 oz. of linimentum saponis into 8 oz., and attempting to obtain 6d. by false pretences. Mr. Geoffrey Bracey prosecuted on behalf of the Insurance Committee, and Mr. Edmund Reeve was for the defendant. Mr. Bracey, in opening the case, asked the Bench to allow him to make a slight correction in the first summons. The alteration was described as from the control of the control o one ounce into three. It should be one ounce into four ounces. Permission having been given, atr. Bracey explained that the doctor's prescription contained a Roman plained that the doctor's prescription contained a Romanumeral, and in the first case it was found that the figure I. had been altered to IV. In the second cast the Roman figures of VI. had been altered to XII., and in the third case II. had been altered to VIII. The Committee had no wish to press the case unduly Evidence was given in support of Mr. Bracey's state ment by Dr. Busteed, Mr. C. E. Hale and Mr. G. Ransom, clerk to the Insurance Committee. Mr. Bracey in answer to the chairman, said that the total amoun involved was £2 3s. 4d. The defendant then formally pleaded "Guilty." Mr. Reeve, addressing the Bencion behalf of the defendant, thanked Mr. Bracey for the on behalf of the defendant, thanked Mr. Bracey for the fair way in which he had presented the case to the Bench. The defendant had a large number of these prescriptions to attend to, and did attend to them, and it would be proved that the drugs he had supplied wer always of excellent quality. But sometimes after hou people had come and said they wanted a little mor medicine, and Mr. Rump had let them have it rathe than take the trouble of sending them back to get fresh prescription. He had done that on numerous the had sending them back to get the properties. occasions. He had sometimes also supplied them wit bottles which cost 3d., and, instead of taking the troub to get fresh prescriptions or sending in separate account he had endeavoured very foolishly to recoup himself h making these alterations in the prescriptions. He sai that although he had obtained this £2 3s. 4d. his considerable that had been prescriptions. science was clear that he had not made one penny or of these transactions. It was simply a question of actir in a very foolish way. Mr. Rump gave evidence, statir that he had been in business for forty years, and he been fourteen years at Bungay. He had not made single pemy by reason of the various alterations of the prescriptions. Regarding the 3d., chemists were noverpaid on this job, and people frequently came for medicine without bringing bottles. In this case the was no bottle brought. He supplied one worth 3d., at to get the equivalent altered the prescription. People

also came to him after surgery hours, and he supplied a repeat order for medicine for which there was no prescription brought. He realised now he ought not to have done so; but the surgery was closed, and sometimes people wanted medicine very urgently. Dr. J. Llewellyn Sims said he had known the defendant for nine years, and had always considered him an honest and straightforward man. The chairman, reviewing the evidence, said that, having heard Mr. Rump's statement, it did scircumstances should have committed so grave an offence in order to obtain £2 3s. 4d. over a long period of time. The Court had decided to deal as mercifully as they could with defendant, who would be bound over to come up for conviction and judgment if called upon within a period of twelve months in the sum of £100.

Medicine Stamp Act Case.—At Mansion House Police Court, London, on June 13, the Scholl Manufacturing Co., Ltd., 1-4 Giltspur Street, E.C., were summoned under the Medicine Stamp Act, 1812, for having vended a certain article to be applied as a medicament for the prevention; cure and relief of ills incident to and affecting the human body, viz., Dr. Scholl's Zino Pads, without a paper cover and wrapper with label provided by out a paper cover and wrapper with label provided by the Commissioners of Inland Revenue. Mr. H. Glynthe Commissioners of Inland Revenue. Mr. H. Glyn-Jones, barrister, appeared for the defence, and pleaded "Not guilty." Mr. E. R. Booth, prosecuting, said that appended to the Act was a Schedule of articles coming within its scope; at the end of the Schedule it was stated that, in addition to those mentioned, plasters, secret preparations and all proprietary articles held out as nostrums or specifics for the cure or relief of ailments of the human body were included. Dr. Scholl's Zino Pads were held out as an article for the relief or cure Pads were held out as an article for the relief or cure of corns, and came within the Act (1) by recommendation as a relief or cure, and (2) by proprietary rights. The pads were described as a medicated preparation, "antiseptic, healing and waterproof." Proof of the purchase of the article complained of was given by Mr. James Baird, of Baird & Sons, Regent Street, Great Yarmouth, who said that the article was sold unstamped as received at 1s. a pad. A showcard was sent to the firm by Messrs. Scholl. Cross-examined: Bairds were boot merchants; they had nothing to do with medicines. If a customer came to their establishment with corns, witness might have recommended the pads. Mr. corns, witness might have recommended the pads. Glyn-Jones: If a boot presses on a corn it is painful?— I believe so. (Laughter.) Witness, continuing, said he destroyed the showcard in consequence of a note from the defendants. Mr. John William Pooley, chemist in the Government laboratory, said he had tested the pad. It was composed of small pieces of cloth coated with an adhesive preparation containing rubber, resin and zinc oxide. The latter was a well-known medicament, and, like resin, was a constituent in many ointments and plasters. The chief medical use of zinc oxide when plasters. The chief medical use of zinc oxide when applied externally was that of a mild astringent to the skin. It would check perspiration and discharge, and would have, to a certain extent, an absorbent effect. Cross-examined, the witness said he was not a medical man. He obtained certain knowledge from well-known books of reference. Mr. Glyn-Jones: What discharge is there from corns or bunions?—I can't say. Does dead skin perspire?—I don't know. Witness was asked a number of other questions in reference to the pad; he agreed that there was a hollow centre into which the hard skin went, but if pressed down the skin would come in contact with the centre. Mr. Glyn-Jones said the whole of his case was that this was a mechanical appliance. The zinc oxide had an antiseptic effect. This was not a medical article, but an appliance to give comwas not a medical article, but an appliance to give comfort, and did not come within the Act. Counsel quoted a case in which a soap was held out as a cure for eczema and ringworm; there had been no conviction, as it was and ringworm; there had been no conviction, as it was held the soap was not a medical preparation and therefore not liable to duty. Mr. Booth said there had been no evidence of composition in that case. He (Mr. Booth) called attention to the case of Ransom v. Sanguinetti, in which pastilles were described as "pure gum, beneficial to speakers and singers." Here there were a distinct statement, and the notilles ought there was a distinct statement, and the pastilles ought

to have been stamped. On the carton containing these pads was printed, "Removes the cause! Put one on the corn is gone." Alderman Sir David Burnett said in had been proved that there was a medical property in this article—no evidence to the contrary had been pubefore him. There was, no doubt, an honest belief that the Act did not apply. But he must convict. There would be a fine of 40s., with £10 10s. costs. Mr. GlynJones asked whether the Alderman would state a case if necessary, and Sir David said he would do so.

# Bankruptcy Reports

Re Ensa de Cesari, 9 Ampthill Square, London, N.W., manufacturer of vermin-killer—An application for an order of discharge was made on June 6 to Mr. Reginald Hopat the London Bankruptcy Court on behalf of this bankrupt, who failed in September, 1922 (C. d. D., April 7, p. 486). The Official Receiver reported that the liabilities amounted to £1,400, and the assets had realised £25. The offences alleged by the Official Receiver were insufficiency of assets to equal 10s. in the £ on the amount of the liabilities, and omission to keep proper books of account. The discharge was suspended for two years.

Re Elsie Irene Phillipps, 668 Fishponds Road, Fishponds, Bristol, late 18 St. Mary's Row, Moseley, Birmingham, chemist and druggist.—The receiving order in this matter was made on May 11 on debtor's own petition. The statement of affairs shows liabilities of £944 3s. 4d... while the assets are estimated to realise £207 6s., from which preferential claims of £8 2s. 6d. have to be deducted, leaving a deficiency of £744 19s. 10d. Debtor attributes her failure to bad trade, illness of her father. and competition. It appears that she qualified as chemist and druggist in June 1918, and from that time until October 1919 she was employed as a relief dispenser Later she was trained in research work until June 1920. Two months later, with a sum of £300, lent her by her mother, she commenced business as a pharmacist at 18 St Mary's Row, Moseley; but this business was not successful, and in November 1921 it was sold as a going cou cern for £300. Of that amount about £200 was paid to trade creditors, and with the balance debtor again started trading as a pharmacist at her present address. The business was successful until January last, when her trade, owing to the competition of two similar businesses being opened in the neighbourhood, began to diminish. The first meeting of the creditors was held on May 30 at the Official Receiver's offices, 26 Baldwin Street, Bristol. The case was left with the Official Receiver as trustee of the estate. The public examination was commenced at Bristol on June 8, when it was stated that the business was being carried on with a view to its disposal as a going concern. The following are among the creditors: Anglo-American Oil Co., Ltd., £15; Burgoyne, Burbidges & Co., Ltd., £25; Cupal, Ltd., £15; Burgoyne, Burbinges & Co., Ltd., £25; Cupai, Ltd., £85; Evans, Gadd & Co., Ltd., £25; Ferris & Co., Ltd., £10; D. & W. Gibbs, Ltd., £15; S. Maw, Son & Sons, Ltd., £15; F. Newbery & Sons, Ltd., £15; Potter & Clarke, Ltd., £15; Henry C. Quelch & Co., £11; Veno Drug Co., Ltd., £15; A. Wander, Ltd., £15; J. F. Wilkinson, £25; Yardley & Co., Ltd., £15; Bidwell, Bidwell & Co., Ltd., £15; Raphael's, Ltd., £15.

# Gazette

# Bankruptcy Acts

RECEIVING ORDER AND ADJUDICATION

PAGELLA, EUGENE, 124 St. Denys Road, Southampton,
drug-store proprietor.

Cocaine Cast UP BY THE SEA.—A portmanteau containing more than 500 vials of cocaine and labelled "Boehringer Sohn, Niederingelheim-on-Rhine," has been picked up on the coast at Limhau, Sweden, states a Press report. It is believed that the portmanteau was thrown overboard by smugglers.

# New Companies

and Company News

P.C. means Private Company and R.O. Registered Office

Public Prescriptions, Ltd. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, dysalters, oil and colour men, etc. The first directors are: J. G. Hart and J. J. Marsh. R.O.: 41 Newcomen Street, London, S.E.1.

Tone Valley Preparations, Ltd. (P.C.).—Capital £1,000. Objects: To conduct experimental work in connection with and exploit or trade in food, novelties containing "Vitamins"; to carry on business as food specialists, etc. R.O.: 79 Cheddon Road, Taunton.

OCHIL MANUFACTURING Co., LTD. (P.C.).—Capital £1,000 Objects: To carry on the business of manufacturers of and dealers in all kinds of oils, polishes and soaps, warehousemen, manufacturing chemists and druggists, ctc. The first directors are H. Carrick and J. F. Kennedy. R.O.: West Mills, Menstrie, Clackmannan.

L. MILANO, LTD. (P.C.).—Capital £800. Objects: To acquire the business of a hair tonic and perfumery specialist, now carried on at 36 Old Compton Street, W., as "Milano Brothers," and in particular the recipes and full information and processes of manufacturing, and the right to manufacture and deal in certain hair-tonic preparations and perfumery preparations, etc.

Valdor Soap Manufacturing Co. (Nottingham), Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of soap, glycerin and tallow manufacturers and refiners, soap merchants and factors, manufacturers of and dealers in chemical, medicinal and toilet articles, etc. The first directors are: L. E. Lavis, 6 Swinburn Street, Derby, and A. Logelain, 209 Woodborough Road, Nottingham R.O.: 15 St. Mary's Place, Nottingham.

H. C. WOODHEAD, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of wholesale, retail or manufacturing chemists, druggists and drysalters, manufacturers of and dealers in chemicals, drugs, patent medicines; also silver, plated, leather and fancy goods, stationers, printers, etc. The first directors are: F. and Oliva J. Clarke, 6 Bagot Street, Liverpool. R.O.: 41 Castle Street, Liverpool.

International Radium Syndicate, Ltd. (P.C.).—Capital £30,000. Objects: To adopt an agreement with Sir Thomas G. O. Thurston, K.B.E., and others for the acquisition of certain uranium concessions and properties in Portugal. The permanent directors arc: Sir Thomas G. O. Thurston, Greenford Hall, Middlesen, and A. O. Davies, Heatherfield, Weybridge, Surrey.—R.O.: 126 Gresham House, 24 Old Broad Street, London, E.C.

Togal, Ltd. (P.C.).—Capital £1,000. Objects: To acquire the benefit of an agreement, dated March 27, 1923, between Gerhard F. Schmidt and the Kemiska Central Laboratories of the one part, and Leon M. Hirchberg of the other part, and to carry on the business of importers, exporters, factors, agents, manufacturers of and dealers in "Togal"; chemists, druggists, drysalters, oil and colour men, etc. R.O.: 30 Gerrard Street, London, W.1.

Bannister & Thatcher, Ltd. (P.C.).—Capital £5,000. Objects: To carry on the business of chemists and druggists as formerly carried on by F. E. Bannister and H. H. Thatcher as "Bannister & Thatcher" at 89 Ablewell Street, Walsall, 58 Birmingham Street, Oldbury, and High Street, Chasetown, Staffs. The first directors are: F. E. Bannister, High Street, Bloxwich, Staffs, and H. H. Thatcher, 89 Ablewell Street, Walsall. R.O.: 89 Ablewell Street, Walsall.

Shilvock, Son & Co., Ltd. (P.C.).—Capital £1,000. Objects: To acquire the business of a chemical and general merchant and agent, now carried on by T. J. Shilvock at 493 New Cross Road, S.E., and 271 High Street, Smethwick, Staffs., as "Shilvock, Son & Co." The permanent directors are: T. Shilvock, 147 Cheshire Road, Smcthwick, and H. A. Blundell, 10 Rockmount Road, Upper Norwood, S.E. R.O.: Globe Chambers, 493 New Cross Road, London, S.E.18.

LIEBIG'S EXTRACT OF MEAT Co., LTD.—The directors announce an interim dividend of 7s. per share on the ordinary shares.

Fannin & Co., Ltd., have applied in the High Court of Justice, Dublin, for confirmation of a resolution reducing the capital of the company from £23,000 to £20,000.

THE FABRA CO., LTD.—A general meeting of this company will be held at 46 Vicar Lane, Bradford, on July 16, at 11 a.m., for the purpose of receiving the liquidator's report.

CASTNER-KELLNER ALKALI Co., LTD.—The directors have declared an interim dividend at the rate of 8 per cent. actual for the six months ended March 31, 1923, subject to tax.

G. B. Kent & Sons, Ltd., have declared the usual dividend at the rate of  $5\frac{1}{2}$  per cent. per annum upon the cumulative participating preference shares for the six months ended March 31, 1923.

FREESE & Moon, Ltd.—A general meeting of this company will be held at 61-62 Lincoln's Inn Fields, London, W.C.2, on July 17, at noon, for the purpose of receiving the liquidator's account.

A. J. White, Ltd.—The net profit for the year ended March 31, 1923, was £23.341, plus £51,202 brought forward, making £74,543. The directors recommend a final dividend of 5 per cent. (making 7½ per cent.), leaving £52,043 to be carried forward.

JOSEPH NATHAN & Co., LTD. (proprietors of Glaxo).—Dividend warrants for half-year's dividend on the "A" 7 per cent. preference shares will be posted on June 30, made payable on July 2; the half-year's dividend is  $3\frac{1}{2}$  per cent. actual, less tax at 4s. 9d. in the £.

Magadi Soda Co., Ltd.—An extraordinary general meeting will be held on June 18, in response to a requisition signed by shareholders representing the statutory one-tenth of the issued capital. A resolution will be moved that a committee of shareholders be appointed to inquire into the past management and the causes which led to the appointment of a receiver. In an accompanying circular the secretary states that the directors are actively engaged on a reconstruction scheme, and in their opinion the resolutions referred to, if passed, will be seriously to hamper their efforts.

NATIONAL DRUG AND CHEMICAL OF CANADA.—The report for the year ended January 31, 1922, states, after paying all trade expenses, salaries to directors and officers, providing for bad debts, as well as paying dividends, the balance left is equal to £21,615. Profit and loss account shows £46,986. With future expansion to plan for and capital stock decreasing on account of redemption of First Preference shares, the directors are giving thought as to proper steps to take to keep company in position to derive full advantage from bettered business opportunities from increased population and general improvement of world's trade.

United Drug Co., Ltd.—After the striking success of the offer here by Liggett's International of £250,000 of its ordinary holding in the Boots Pure Drug Company, it comes as pleasant news (says the "Financial Times") that the controlling concern, the United Drug Co., has just intimated its intention to resume the payment of quarterly dividends on the common stock in the autumn. The amount will be 1½ per cent., or at the rate of 6 per cent. per annum. The last payment was 2 per cent. for the second quarter of 1921. The re-entry of the United Drug into the list of dividend-payers is not unexpected. The company had a loss of \$824,300 in 1921, but made an excellent recovery last year, when it secured a profit of \$3.294,200. At the end of December there was an accumulated surplus of \$2,920,400, after providing for the Preferred dividends. This surplus has since been increased to nearly \$4,000,000. Notwithstanding the lower level of prices, business has continued to expand this year, and sales for the first four months have been on the basis of \$65,000,000 per annum, against \$61,187,000 in 1922. The amount for the four months is \$500,000 greater than in the corresponding period of 1920, which hitherto has been the company's "record" season.

# Summer Outings

Visit to Market Harborough

THE employees of E. H. Butler & Son, manufacturing chemists, Leicester, held their annual summer outing on June 9 to Market Harborough. The party proceeded in charabanes and motors via Wistow Park to the boating station, where an excellent lunch was served. Up to the tea interval, boating, tennis, cricket and other amusements provided the intervet, and afterwards a least the second of the control of provided the interest, and afterwards a lengthy sports programme followed. Prizes were presented by Mrs. E. H. Butler. The party returned at 9 p.m., after a most enjoyable day's outing.

# Freemason Pharmacists' Outing

On June 6 members and lady friends of the Manchester Pharmaceutical Masonic Association held a summer outing to Derbyshire. The party left Manchester at 2 p.m. in brilliant sunshine, but, unfortunately, on arrival at Hope Station it was raining heavily. The party proceeded by motor conveyance to Castleton,  $2\frac{1}{2}$  miles away, where afternoon tea was served. Despite the unfavourable conditions the majority of the party visited the Peak Cavern, armed with candles and led by a guide,



THE PARTY AT CASTLETON

who described the various chambers and the limestone vaults and formations. On returning to the open-air the rain had ceased, and after visiting the old churchyard, where various inscriptions of Masonic interest were found, the company returned to the "Nag's Head Hotel, Castleton, for dinner, which was presided over by the chairman, Wor. Bro. H. Thompson, accompanied by Mrs. Thompson. The post-prandial toasts were brief, but the conviviality was continued in the saloon on the homeward journey.

# Leicester Assistants' Outing

An enjoyable function took place on June 7, when the Leicester and Leicestershire Pharmaceutical Assistants' Association and their friends journeyed by charabanc to Noseley Hall and its grounds, the residence of Sir Arthur Hazlerigg. Upon arrival at Noseley a cricket match was



LEICESTER ASSISTANTS AT NOSELEY HALL

promptly arranged, ladies as well as gentlemen taking part. A photo of the party was taken afterwards, and the company spent the rest of the time in tennis, boating, etc. Noseley Chapel, which is an interesting link with the past, contains the tombs of the Hazlerigg family and dates from 1650.

# Botanical Excursion by the Sea.

THE Edinburgh Chemists' Assistants' and Apprentices' Association held the second botanical excursion of the summer session on June 6. Upwards of 40 members, under the leadership of Mr. Andrew Howieson, B.Sc., travelled from Waverley, Edinburgh, to Longniddry, East Lothian. At the venue conditions were ideal for field work. The company proceeded along the shore of the Firth of Forth from Gosforth House to Port Seton, Attention was directed to the influence on the trees of prevailing winds, and seashore ecology and adaptation of plants to enviroument were demonstrated and explained. In addition to plants collected in the first excursion were the following: Fumaria officinalis, Barbarea vulgaris, Brassica arvensis, Cochlearia officinalis. Viola tricolor, Silene maritima, Lychnis alba, Geranium sanguineum, Medicago fulcata, Lotus corniculatus, Pyrus aria, Enanthe crocata, Solanum dulcamara, Plantago maritima, P. lanceolata, P. major, Polygonum aviculare, Hippophæ rhamnoides, Salix alba, Pinus sylvestris, Taxus buccata, and Fucus vesiculosus.

Prescription Problem

The Editor will be glad of the loan of original prescriptions suitable for this column, together with the solution of the difficulty.

THE prescription problem in our issue of May 5 was rather more difficult than previous examples, and there was in consequence a falling off in the number of replies received. The following is the correct transcription:—

> Ichthyol ... gr. x. P. Zn oxid. ... P. amyli Pa(r)f. moll(e) ... 3iv. ... 5ij. ... ad 3ij. As directed.

The following are the prize-winners:—
Scotland.—Kenneth Stewart, 60 Miller Street, Carnoustie. Forfarshire.

Ireland.—Thomas Mitchell, 139 Newtonwards Road, Belfast.

There were no correct replies received from London or the provinces.

Any one of the following books may be selected as a prize by the above-mentioned winners, who will please inform the Editor which one they prefer: "Chemists' Windows"; "Minor Experiences"; "Practical Methods of Urine Analysis"; "The Chemist's Dictionary of Medical Terms and Treatment"; "Provincial Hospitals Pharmacopeias." The last ingredient was the principal difficulty, various translations being: Vaseline; sapo

Heimer 6,5 Jumpstee 3,5 Geaw G 3; 30 第六十十十二

mollis; lanolin hyd. s.v. meth.; ung. salicyl.; etc. Our next problem is given above. Exact transcriptions of the prescription are invited on postcards only, and each competitor should make only one attempt. Postcards competitor should make only one attempt. Postcards should reach "The Editor," The Chemist and Druggist, 42 Cannon Street, London, E.C., not later than the first post on June 22. Prizes will be awarded at the discretion of the Editor, whose decision is final.

# Westminster Wisdom

By the " C. and D." Parliamentary Representative

# COAL-GAS POISONING

The Minister of Health in reply to a question in the House of Commons on June 7 gave the following statistics of suicide from gas-poisoning: 1920, 270; 1921, 361; 1922, 496.

### OPIUM

Dr. Chapple asked the Under-Secretary of State for Foreign Affairs on June 6 whether he has been ap-Foreign Affairs on June 6 whether he has been approached by any British representative in China with the suggestion that the reintroduction of opium into that country is necessary to the protection of China from financial collapse; and whether he can give an assurance that this method of assistance will not be countenanced by His Majesty's Government?

Mr. McNeill said that the answer to the first part of the question is in the negative. There has been a great regrudescence of pount growing in China and the

recrudescence of poppy growing in China and the revenues therefrom are utilised by local military leaders. The Central Government is not making use of this source of revenue, nor has any proposal that it should do so been brought to the attention of His Majesty's Government.

### EXPORTS OF HONEY

In reply to a question in the House of Commons, on June 8, the following statement was given of the quantity and value of honey exported from the United Kingdom, distinguishing (a) re-exports of Foreign and Colonial honey and (b) honey produced in the United Kingdom:—

	$ Y\epsilon$	ar		-	Quantity	Value *
Re-exports	of Fore	eign an	nd Cole	nial	Cwts.	£
honey:— 1920 1921 1922	• •				30,143 26,722 8,885	108,722 46,560 16,998
Exports of United Ki 1920					1,491	7,684
1921 1922	• •	• •	1		300 701	1,869 2,558

### OPIUM TRAFFIC

In reply to a question in the House of Commons, on June 12, the Home Secretary said that the main results of the meeting of the Advisory Committee on the Opium Traffic at Geneva were: (1) that an agreement was reached with the delegation from the United States Government which will, it is hoped, have the effect of securing co-operation between that Government and the States which are members of the League in the work of giving full effect to the International Convention of 1912; and (2) that the Advisory Committee decided to make recommendations for the adoption, by agreement between the Powers interested, of measures for securing a more effective application of Part II. of the Convention which relates to the suppression of the use of opium for smoking, and a limitation of the manufacture of morphine, heroin and cocaine and of the production for export of the raw material from which the drugs are made.

### TABLE WATERS DUTY

During the Committee stage of the Finance Bill, on June 12, an attempt was made to obtain the abolition of the duty ou table waters. Mr. Ammon urged that the mineral waters is more heavily taxed than any industry through direct taxation, and the taxes on raw materials of the industry. The output of the trade has declined by 63 per cent. The reduction in the tax proposed by the Bill is too small to pass on to the consumer. He pointed out that beverage powders and crystals escape taxation because the Excise officials say there is no way of calculating the tax on such articles. A good service would be done to the trade and to the

country by the abolition of the tax. The Financial Secretary of the Treasury, who replied for the Government, contended that the tax had nothing to do with the enormous fall in the sale of sweetened waters. It was unemployment and the fact that the working man received less wages that had caused the fall in consumption. He thought the trade should make an effort to pass the reduction on to the consumer. After further discussion the Financial Secretary undertook to get into communication with the leading trade associations and try to find some arrangement for passing on the reduction to the consumer. An effort to obtain the remission of the tax on plain bottled spring water was unsuccessful.

# Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

# Monday, June 18

The Chemists' Exhibition, Central Hall, Princes Street, Westminister, London, S.W., at 11 a.m. till 9 p.m. Daily until Friday, June 22.

### Tuesday, June 19

Glasgow Phormacy Club.—Ramble to Milngavie and Blanefield. Meet at Queen Street Station (under clock) at 2.15 p.m. North-East London Pharmoceutical Association.—Summer outing.

Rotary Pharmacists and Allied Professions, Central Hall, Westminster, London, S.W., at 4 p.m. Meeting. All Rotarians invited.

# Wednesday, June 20

Devon Branch of the Retail Pharmacists' Union, 60 High Street, Exeter, at 4 p.m. Meeting.

Edinburgh Chemists' Assistants and Apprentices Association.—
Botanical excursion to the Kings Park, Mcct at Holyrood
Palace Gates at 7.30 p.m. Conductor, Mr. J. C. Henderson,

Exeter Bronch of the Pharmaceutical Society, 60 High Street, Exeter, at 3.15 p.m. Meeting. General Council of Panel Chemists (Scotland), 36 York Place, Edinburgh, at 3 p.m. Meeting.

### Thursday, June 21

The Chemists' Dental Society, Central Hall, Westminster, London, S.W., at 6 p.m. Annual meeting.

London Chemists' Golfing Society, West Essex Course.—1st round Medal Play, Burgoyne Cup; 2nd round, Bogey, Hill Cup.

The Chemical Society, Burlington House, Piccadilly, London, W.1. at 8 p.m. Seven papers will be read.

### Friday, June 22

Glasgow Phormocy Club (Rambling and Tennis Section), 165 Hill Street, Garnethill, at 8 p.m. Meeting.

BLACKBURN CHEMISTS' ASSOCIATION.—A picuic to Bolton Woode will be held on June 28. The journey will be made by motor. Liverpool Curmists' Association.—The annual picuic will be held on June 27. Train for Chester leaves Woodside Station, Birkenhead, at 2.25 p.m. Leave Chester 9.6 p.m. Motor launches will take the party to Eccleston Ferry, and visitors will proceed to the Iron Bridge on foot. High tea will afterwards be served at the Grosvenor Hotel, Chester, at 6 p.m. Chester Cathedral will be visited. Tickets (10s. 6d. each) before June 23.

SOUTHAMPTON PHARMACEUTICAL ASSOCIATION will visit Brockenhurst on June 27. Charabanes to leave the clock tower at 2.15 p.m. Tea. on the invitation of the President, at 5.30 p.m. in the Balmer Lawn Hotel. Charabane tickets 4s. each. Tickets for non-members, 6s. 6d.

NORTH LONDON PHARMACEUTICAL ASSOCIATION.—The annual outing

NORTH LONDON PHARMACEUTICAL ASSOCIATION.—The annual outing will take place on June 28. Cars start from Tufnell Park at 10.30 a.m. for Guildford and Hindhead for those who are taking part in the all-day excursion, and at 2 p.m. for Guildford for the half-day outing. Tickets 15s. 6d. (for whole day) and 10s. 6d. (for half day), to include conveyance and food, from Mr. Herbert Skinner, Ph.C., Royal Northern Hospital, Holloway, N.

THE TOTAL SALES of the four large 10-cent chain-store systems in the United States for April aggregated \$23,764,000, as compared with \$22,429,000 for April, 1922.

THE BUTTER WAY.—According to the "Daily Express," a German scientist claims to have discovered the secret of the French success in the manufacture of perfume, which German chemists have been unable hitherto to emulate. Different kinds of flowers (he says) are kept for at least ten years in butter in hermetically sealed glass jars, and the butter gradually absorbs the fragrance of the blooms.

# Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of British patents can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Manufacture of Resin.—A mixture containing a dibasic or a polybasic aliphatic acid and a polyhydric alcohol, such as glycerol, is heated until a water-resistant resin results. (The Barrett Co. 173,225.)

Formaldehyde.—Vapour of acetaldehyde with oxygen or a gas containing oxygen is passed over certain heated metals, including copper, silver, gold, iron, or a metallic oxide which has several grades of oxidation. (Consortium für Elektrochemische Industrie, G.m.b.H. 178,842.)

Surgical Dressing.—This consists of a layer of absorbent wadding and a second layer of carded wadding, not degreased. One layer is tinted or each layer is differently tinted for distinction, and the carded wadding is covered with impermeable or insulated material. (J. Bardin, 196,821.)

colloidal Sulpharsenites.—A process of producing colloidal sulpharsenites of mercury or silver. This comprises the reaction in solution of an alkali sulpharsenite and a compound of mercury or silver in the presence of a protablinate or lysalbinate and subsequent obtaining of neutral solutions or solids. (M. E. Wolvekamp. 197,060.)

Lac Resin.—A process for the separation of lac resin from the impurities with which it is mixed, consisting in crushing the lac and the impurities to a fine powder which will pass through a 40-mesh sieve, agitating the resultant product in water and passing it in the form of a cream or pulp through a centrifugal separator. (The Bhopal Produce Trust, Ltd. 188,296.)

Antimony Sulphide.—Colloidal antimonious sulphide or antimony pentasulphide is produced in combination with a protaibinate or lysalbinate by a process of precipitating an alkaline solution of sulphantimonite or sulphantimonate in which a protaibinate or lysalbinate is present by the addition of excess of acid, and redissolving the precipitate with an alkali solution. (M. E. Wolvekamp. 197,061.)

Bottle Brushes.—Comprising a steel rod having two helical grooves, one for the bristle holders and one for the admission of cleansing water. A brass tube surrounds the rod so as to complete the water duct and secure the bristle-holder to the rod, the tube having a helical slot for admitting the bristles and a cap for closing the structure and for securing the end bristles to the tube. (Otto Roth A.G. and Otto Roth. 197,616.)

Synthesis of Ammonia.—A process for the synthetic manufacture of ammonia by the aid of a catalytic agent and under the action of high temperatures and hyperpressures in which the purification of the gaseous mixtures of hydrogen and nitrogen to be subjected to the synthesis is effected by the destruction of the carbon monoxide and oxygen in the hyper-compressed mixture of the gases by passing the gases over a catalytic material having a basis of iron at a temperature of about 400°-450° C. (Société Chimique de la Grande Paroisse, Azote et Produits Chimiques. 177,494.)

Calcium Hypochlorite Compounds.—A process for the production of stable compounds of calcium hypochlorite by chlorinating calcium hydrate in water. The chlorination is controlled either in such a way that it is terminated at that point at which the bleaching chlorine content of the mother liquor has attained a minimum, in which case there is always a definite uniform basic calcium hypochlorite at the bottom of the chlorinating vessel, or so that it is terminated during the continuous decrease of the bleaching chlorine in the mother liquor. (Chemische Fabrik Griesheim-Elektron. 188,662.)

### FRENCH

Denaturation of Alcohol.—Isopropyl alcohol is used as a denaturant for ethyl alcohol and a method for determining its presence in alcoholic solutions is described. (R. Alieuet & Co. B.F. 553,004.)

Aldehyde Synthesis.—Acetylene is introduced into a closed receptacle containing water, mercury and ferrio chloride, and the whole continuously mixed, ferric chloride being added from time to time. (A. J. B. Youve. B.F. 552,152.)

Sulphovinic Acid.—An apparatus for preparing sulphovinic acid by the direct action of ethylene on sulphuric acid at a temperature of 90° to 95° C. The resulting sulphovinic acid is decomposed by water, yielding ethylalcohol. (Compagnie de Béthune. B.F. 552,651.)

Glucinium.—Glucinium in a compact form may be obtained by the electrolysis of a fused mixture of sodium and glucinium fluoride and barium and glucinium fluoride at a temperature of 1,200° to 1,300° C. (A. Stock and H. Goldschmidt. B.F. 551,831.)

**Ethyl Chloride.**—A process based on the direct synthesis of ethyl chloride by the interaction of ethylene and hydrochloric-acid gas under pressure at a temperature of 150° C., in the presence of porous wood charcoal. (Chemische Fabriken vormals Weiler-ter-Meer. B.F. 553,065.)

Aminophenylarsinic Acid. — Nitro-p-oxyphenylarsinic acid is dissolved with the aid of a small excess of caustic soda or potash, and then reduced, at 50° C., by the addition of glucose, or other reducing sugar. The amino-p-oxyphenylarsinic acid is precipitated on cooling by the addition of hydrochloric acid. (Etablissements Poulenc Frères and R. Meyer, B.F. 551,627.)

Calcium Phosphate.—A process for preparing dicalcium phosphate consisting in heating an aqueous solution of monocalcium phosphate, thereby causing the liberation of free phosphoric acid and the precipitation of dicalcium phosphate. On neutralising the free acid by the addition of a base, this reaction is repeated. (Y. de Moniès de Sagazan. B.F. 552,858.)

Deodorisation of Petroleum Ethers.—The disagreeable odour of benzin and petroleum ethers can be entirely removed by hydrogenation, submitting them to the action of hydrogen under low pressure, at a temperature of 100° C., using reduced nickel or nickel oxide, or a mixture of both, as catalyst. (Etablissements Poulenc Frères and J. B. Senderens. B.F. 552,154.)

Activity of Natural Pyrolusite.—The reactive power of natural pyrolusite can be very considerably increased by submitting it to a moist milling process, e.g., in a colloid null. The presence of organic compounds, certain metal salts, acids and alkalis, hasten the action of the milling process in increasing the activity of this product. (A. Wehrung. B.F. 552,723.)

Soluble Iron Sesquioxide.—Ferric chloride, or ferric nitrate, is treated with caustic soda, the resulting precipitate is washed, the water expressed, and the residue mixed with distilled water containing 1/20 per cent. of nitric acid, or 1/15 per cent. of hydrochloric acid. Solution takes place in three or four days, yielding a reddish-brown liquid, readily miscible with distilled water. (P. Schmit. B.F. 552,140.)

Removing Grease Paint.—A paste for removing grease paints prepared by rubbing together:

and covering the mixture with water. The whole is heated to boiling, and the product which separates out on cooling is stirred to yield a cream. (Lavroff. B.F. 552,492.)

Depilatory.—An appliance for removing superfluous hairs consisting of a pledget of cotton wool to be impregnated with a solution which is electrolysed, the positive electrode being attached to the cotton wool and the negative to the skin. For use the following concentrated solution is diluted with three to five parts of water:—

- Hydrogen peroxide ... 35 to 48 parts
Potassium chromate .. 0.85 to 1.5 parts
Acetanilide ... 0.15 to 2 parts
Water ... 48.5 to 55 parts

(M. Cohendy. B.F. 552,508.)

# Pharmaceutical Botany

XI. Bryophyta-Funaria

THE musci or mosses comprise a large group of plants of some 3,000 species found almost everywhere, forming a green carpet-like covering on the open ground, rocks, or trees. Funaria hygrometrica is a very common species, its short erect stems packed in close array often forming considerable patches, yellowish-green in colour, on the naked soil and tops of damp walls, showing various stages of development according to the time of the year.

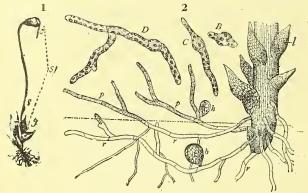


Fig. 29.-Funaria Hygrometica.

1. Complete moss plant bearing nearly ripe sporogonium (slightly enlarged); g, leafy moss plant which is the gametophyte generation; sp, the sporophyte generation, consisting of capsule, c, and its stalk or seta, s. 2. Lower part of same, magnified, showing leaves, l, and underground rhizoids, r, which become green above ground and form protonema. These may grow buds, k, which give rise to a new plant. Au underground bulbil is shown at b. B. C. D. successive stages of germinating spores which produce protonema. X 200.

Its spores readily germinate under moist conditions, producing a filamentous growth called a "protonema" (Fig. 29) The aerial portion of this, which soon branches, is capable of continued growth. Its cells contain large chlorophyll corpuscles, and are peculiar in that cell walls are oblique (thus enabling it to be differentiated from an Algal filament). The underground protonema is similar, but colourless; its cells attach the plant to the soil and are termed "rhizoids." The moss plant pro-

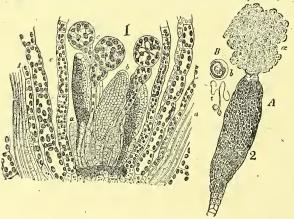


Fig. 30.—Funaria Hygrometica.

1. Longitudinal section through apex of male plant; d, leaves cut through midrib; e, cut through wings showing only single layer in thickness; c, sterile hairs or paraphyses; a, young antheridia; b, nearly ripe antheridium. X 300. 2. A, an antheridium discharging spermatozoids, a. X 350. B, spermatozoids in mother-cell, b, and free, c. X 800.

per is produced from lateral buds (Fig. 29) in which an (inverted) tetrahedral apical cell is formed. The stem grows by repeated division of this apical cell. In the successive segments cut off parallel to its three epibasal walls, the first longitudinal division marks the limitation between leaf-forming tissue and central portion of stem.

As a result the leaves are arranged spirally in three rows (Fig. 29). These become ovate in shape, and consist of wings a single cell thick on each side of a midrib of elongated cells several cells thick (Fig. 30). Assimilatory functions are per-formed by the small cells latory with many chloroplastids of the leaves and peripheral layer of the stem. The inner layers of cells in the stem consist of thin walled "ground" tissue (parentheral with forces below. chyma) with fewer chloro-plasts. There is also a slender axile strand of small elongated cells resembling those in the midrib of the leaf. These elongated cells are undoubtedly used for conducting food material, and thus represent a rudimentary vascular system, but there is no connection between the midrib and central column as in the "leaf trace" of vascular plants (ferns and flowering plants). It must also not be overlooked that both protonema and mossy stem belong to the gametophyte, generation, so gametophyte generation, so that the conducting tissue of the moss plant is unusual in that it belongs to the sexual generation. In Funaria the appearance of sexual organs ends the growth of the stem, at the apcx of which antheridia and archegonia are developed, the male organs being found on smaller plants and female archegonia on taller specimens of Funaria on the same sod. Fig. 30 shows a section of male plant with the antheridia in various stages, including bursting antheridium and spermatozoids with two cilia. The archegonia of the female plants have a long neck and are well protected by ordinary leaves, giving the apex of the appearance (Fig. 31). As in Pellia water is essential to S effect fertilisation. From the fertilised egg there ensues a sporogonium or sporophyte generation in the form of a capsule, which when ripe is borne on a long stalk (Fig. 32). The moss capsule has attained considerable complexity of structure, the central column and lower thickened portion at the base being green and capable of assimilation, so that only part of its food supply is drawn from the parent gametophyte. It is covered at first by a sheath (calyptra), first by a sheath (calyptra), Menca.

A. Adult moss plant wit which is ruptured when the seta ripening sporogonium with clongates and a portion is carried up on to the capsule.

The ripe capsule has a d, lid or operculum of capsule neat lid which falls off with calyptra when it is ripe. There are also two rows of mother-cells or archesporium



Fig. 31.—Funaria Hygro. metica.

A. Longitudinal section through apex of (small) temale plant; a, archegonia; b, leaves. X 100. B. Single archegonium, showing enlarged ueutral portion with egg. The mouth or venter is still closed, but the canalcells are becoming disorganised and converted into mucilage. X 550. C. Part near mouth of neck of a fertilised archegonium with dark cells. A. Longitudinal section (small) fertilised archegonium with dark cells,

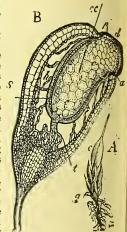


Fig. 32 .- Funaria Hygrometica.

teeth developed below this "operculum" which regulate distribution of spores. When the weather is wet the teeth are closed, but when dry they open by hygroscopic contraction and allow a pepper-caster action of the capsule as it nods in the breezes. Only a layer of cells around the

central column are sporogenous.

Funaria is a plant which has attained a high stage of development on specialised lines both in gametophyte and sporophyte generations. It presents a leafy plant in a gametophyte generation which can be dried with impunity, resuscitation occurring when moistened: nevertheless, sexuality ties it to a watery habitat. Its protonema recall the Algæ, particularly in their capacity of any cell being able to give rise to a new moss plant.

# Personalities

On June 5, Mr. Jabez Swire, Ph.C., and Mrs. Swire, Halifax, celebrated their golden wedding. Mr. Swire has been in business at King Cross, Halifax, for fifty-one years, and is an original member of the Halifax and District Chemists' Association.

Mr. A. Bond Hickisson, managing director, John Bond (London), Ltd., has been elected a member of the executive committee of the Stationers' Association of Great Pritain, a position corresponding to that he occupies in the Proprietary Articles Trade Association.

Ar the annual meeting of the Provincial Grand Lodge beld in the Chapter House of Lincoln Cathedral, on June 14, the Right Worshipful Provincial Grand Master, the Earl of Yarborough, conferred the past rank of Senior Warden upon W. Bro. Arthur Bellamy, chemist and druggist, of the Lindsey Lodge, No. 712, Louth.

MR. J. HARCOMBE CUFF, chemist and druggist, has resigned the secretaryship of the Institute of Ophthalmic Opticians, a position he has held for nearly seventeen rears, and has been appointed editor of "The Institute Journal and Optometrist." Mr. Cuff is succeeded by Mr. T. Gregg, M.A., formerly assistant secretary.

MR. E. A. PINCHIN, B.Sc., F.I.C., has been appointed public analyst for the City of London in the place of Mr. F. L. Teed, D.Sc., F.I.C., who, as recently unounced in this column, has retired after many years' ervice. Mr. Pinchin has also been appointed public malyst for the borough of Camberwell, in succession to Dr. Teed.

Miss E. Watchorn, chemist and druggist, Southport, as gained an exhibition tenable at Cambridge University. Miss Watchorn, who was awarded a certificate in 1916 by the Southport University Extension Society or a paper on "Haunts and Habits of Insects," is an assistant in the laboratory of Dr. E. Cronin Lowe, athologist to Southport Infirmary.

In the competition for the British Ladies' Teams' Rifle Championship cup, the winners, Lewisham Volunteer Rifle Club, were materially assisted by Miss Payne, lispenser to Dr. Evans, who headed the scores with 100, he highest possible. The trophy, together with the medals presented to each member of the winning team, s being exhibited in the window of Mr. W. Charles Jayers, Ph.C., F.C.S., High Street, S.E.13.

DR. STEFAN MINOVICI, professor of chemistry and Dean of the Faculty of Pharmacy at the University of Bucharest, has arrived in this country as Roumanian lelegate to the International Union of Pure and Applied hemistry, which is meeting in Cambridge on June 18. Professor Minovici has made a special study of choleterol, the substance so widely disseminated in the living rganism, but about the function of which men of science re not yet agreed. In the lecture which Professor Minovici will deliver before the Chemical Society on une 21 on "Cholesterol and its Rôle in the Organism," we will no doubt give some interesting facts about this ubstance. Professor Minovici, who has always had at eart the interests of the pharmaceutical profession, may e addressed c/o The City Laboratories, 113 Leadenhall treet, London, E.C.3.

# Births

Notices for insertion in this column must be properly authenticated.

LAWRENCE.—At 6 Beechbank Road, Sefton Park, Liverpool, on June 9, the wife (née Marion L. Croxon) of Robert Lawrence, chemist and druggist, of a daughter.

MIDDLETON.—At 8 Cavendish Avenue, Sherwood, Nottingham, on June 11, the wife of H. P. Middleton, chemist and druggist, of a son.

# Marriages

LAURENCE—SUTTON.—At Radnor Park Church, Folkes stone, on June 11, by the Rev. W. Inglis, B.A., Thomas Laurence, chemist and druggist (of Stedman's, Ashford), to Ruth, only daughter of Mr. Theo. Sutton, New York City, U.S.A.

# Deaths

HILLMAN.—On June 7, following an operation, Mr. Charles Edward Hillman, Ph.C., 5 Liverpool Street, London, E.C.2. Mr. Hillman, who passed the Major examination in 1890, carried on business in the City for several years, and had a large circle of friends. He was in his pharmacy, apparently in excellent health, until a few days before the end.

Inglis.—At Irvine, on June 6, suddenly, Mr. Henry Inglis, chemist and druggist. Mr. Inglis, who was a native of Newport, Fifeshire, qualified in 1890, and had experience in Glasgow and Cape Town before settling at Irvine. He served in the local company of volunteers during the war, and was held in high esteem. A widow, three sons and three daughters survive him.

Keller.—At Glasgow, on May 3, Mr. Frederick Keller, chemist and druggist, 489 Dumbarton Road. Mr. Keller qualified in 1893.

PEEL.—On June 6, Mr. Alfred Peel, chemist and drugbist, 7 Half Moon Lane, London, S.E.24, aged seventy-four. Mr. Peel commenced business in South-East London forty years ago, in the neighbourhood of Brockwell Park, removing to Half Moon Lane when new shops were erected there. The first part of the funeral service was held on June 9 at St. Jude's Church, Dulwich Read, at which Mr. Peel held office for some years.

Price.—At 103 Tollington Park, London, N., on May 30, Mr. Robert John Price, Ph.C., aged seventy-five.

RICHARDS.—On June 9 Celia Elizabeth, wife of Mr. R. H. Richards, pharmacist, 158 Church Road, Willesden, London, N.W.10.

STRANAGHAN.—At Belfast, on June 8. Mr. David Stranaghan, L.P.S.I. Mr. Stranaghan, who passed the Licence examination in 1884, was for many years with Mr. George A. Webb, Ph.C., York Street, whose business he eventually purchased. He retired a few years ago.

WILMER.—At Gayhurst, Pennance Road, Falmouth, on June 5, Mr. Frederick Joseph Wilmer, J.P., retired chemist and druggist, aged sixty-nine. Mr. Wilmer, who was a native of Buckinghamshire, qualified in 1876, and shortly afterwards became manager of a business in the Strand, Falmouth. This pharmacy he subsequently acquired and carried on, eventually being joined in partnership by Mr. J. A. Hocking, to whom he disposed of his interest on retiring fifteen years ago. Mr. Wilmer was well known locally as an enthusiastic angler. He is survived by a son.

NARCOTICS BY POST.—A notice issued by the Governor of Tanganyika on April 11, 1923, prohibits the importation into the Territory by parcel post of any of the following drugs, viz., opium, morphine, heroin, cocaine or similar drugs, or of articles containing such drugs, unless the drugs are in the form of a recognised medicinal preparation and the fact that the parcel contains such drugs is legibly written on the outside thereof.

# Trade Notes

REXALL AGENTS will be addressed at the Waldorf Hotel, Aldwych, London, on June 20, by Mr. Louis K. Liggett. Particulars of the meeting are given in the advertisement in this number of the United Drug Co., Ltd.

THE STANDARD BRUSH Co., 121A Bunhill Row, London, E.C.1, have at their showrooms a special display of nail brushes, tooth brushes, hair brushes and shaving brushes, which chemists are invited to visit when in London.

STANDARD LACTOSE, B.D.H.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have produced a standard lactose of uniformly reliable quality for bacteriological purposes. It is supplied in 1-lb. sealed tins at 3s, 6d., and is in the form of a fine pure white powder. The lactose has been tested under strict conditions, and the results stated on the label show that the product is of the high purity required by bacteriologists.

Pears' Window-dressing competition.—A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C.1, send ns the results of their recent window-dressing competi-tion as follows:—First prize, £100, W. H. Harrison. 35 Wilbraham Road, Chorlton-cum-Hardy, Manchester; second prize, £50, L. V. Angel, 241 Great Homer Street, Liverpool; third prize, £25, Flemons & Marchant, The Central Pharmacy, Dunsfable. Photographs of these prize windows are to be shown next week at the Chemists' Exhibition.

CHEMISTS' EXHIBITION.—The following business houses notify the trade that they are exhibiting at the Central Hall, Princes Street, Westminster, London, S.W., from June 18 to June 22:

Allen & Hanburys, Ltd.; Anglo-American Oil Co., Ltd.; Ayrton, Saunders & Co., Ltd.; Boothroyd, H. T., Ltd.; Bristow, T. F., & Co., Ltd.; Connell, A., & Co.; Fulford, C. E.; Ltd.; Furs Unlimited; Genatosan, Ltd.; Gibts, D. & W., Ltd.; Glaxo; Greewich Lemonade Co.; Harker, C. R., Stagg, & Morgan, Ltd.; Hygienic Research, Co., Ltd.; Owbridge, W. T., Ltd.; Pears, A. & F., Ltd.; Royle, J. W., Ltd.; Rubinat Llorach; Sherley, A. F., & Co., Ltd.; Sorbo Rubber Sponge Products, Ltd.; Suttley & Silverlock, Ltd.; Whitaker & Co. Silverlock, Ltd.; Whitaker & Co.

BURGOYNE'S FRUIT SALINE.—The illustration shows the new showcard issued by Burgoyne, Burbidges & Co., Ltd., East Ham, Loudou, E.6, as an advertisement for



Burgoyne's fruit saline. The card, which is attractively printed in colours, measures 18 in.  $\times$   $14\frac{1}{2}$  in. The saline sells at 2s. 3d., minimum retail price, and shows a good profit to the chemist.

DISPENSING BOTTLES.—I. Isaacs & Co., glass bottle manufacturers, 106 Midland Road, London, N.W.1, are making a speciality of lettering dispensing bottles with name and address. This, the firm inform us, is the first attempt since the war to supply good quality lettered bettles at a mediant wind. bottles at a moderate price.

B. W. & Co.'s New York Offices .- It is less than sixteen years since Eurroughs Wellcome & Co. com-menced manufacturing in

menced manufacturing in the United States, but their in business has progressed so rapidly that it has necessitated considerable expansion of their New York offices.

The firm accordingly acquired a site at 9/11 East 41st Street, situated between Fifth Avenue and Madison Avenue, almost opposite the old offices, and upon it has erected a twelve-story building, with a frontage of 44 feet and a depth of 100 feet. The lower part of the building is now occupied as the general offices for the U.S.A., a large portion of the ground floor being utilised as an exhibition room for the display of "Wellcome" brand fine chemicals, "Tabloid" brand mcdical equipments, etc. The firm has also ac-quired the freehold of adjoining property having the same dimensions. The accompanying illustration shows the new building in the Gothic style, designed on simple, dignified and graceful lines, Indiana limestone being utilised for the frontage. Each floor of the building is equipped with the most recent improvements in plumbing, heating and lighting, a service of high-speed elevators ensures rapid transit, and a few town conforming with the fire-tower conforming with the most recent regulations ex-tends from the ground floor to the twelfth story. The upper floors will be available for letting for office purposes in floor units to other firms, and it is anticipated that many firms marketing products of interest to the medical profession will be attracted naturally to a building which many

any to a building which many medical men will have occasion to visit. Burroughs Wellcome & Co. also occupy offices and warehouses in Chicago to facilitate the distribution of their products to the middle-west and the western portion of the U.S.A.

# Information Department INFORMATION WANTED

Postal or telephone information with respect to makers or first hand suppliers of the undermentioned articles will be appreciated.

B/126. A.B.C. liniment R/76. Capsules ovien L/56. "Chicapeo" herbs brand heros P/126. Cressthwaite's lozenges

B/315. Dietie water
L/96. Esmetil ointment, powder and soap
E/96. Haynone (for hay fever)

M/86. Higueron
G/315. Jones' "Excelsior mixers and sifters D/76. "Kashmiri" stones M/116. Matrix hair brush S/116. Peterson's pneumati hair brush S/86. Seecum capsicum plat

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## Observations and Reflections

#### The Apprenticeship Question

has two sides to it—there is the apprentice's side and there is the employer's side. There is just a possibility that in our attempts to reform apprenticeship—which undoubtedly has in the past been grossly unjust to the apprentice and in many cases something like a swindle—we may make the pendulum swing too much to the other side. After all, a man cannot be expected to take an apprentice unless he gets some distinct advantage by it; it is quite possible that his apprentice may cost him more in money and consideration than he is worth. It should be remembered that hitherto apprentices have been more easily obtained in small country towns than in big cities, and in spite of the increased advantages offered it is very likely that this will continue to be the case. If, therefore, we are to have a fixed scale of minimum payment, it should be within the means of small country businesses. I don't know whether Mr. Simmons intends the scale he proposes to be a minimum one, but if he does I think it too high. The cost of living is not so high in such towns as, say, in London, and this fact ought to be taken into account. I think, too, that if the apprentice has passed the Preliminary a three years' term is long enough.

#### The Council-Meeting

of this month had only routine and complimentary business to deal with. The re-election of Mr. Neathercoat to the presidency was a foregone conclusion and well-deserved. Mr. Sargeant was also re-elected as Vice-President. I am glad to see Mr. Skinner in so good a place in the running for this office. The tributes paid to the character and services of Mr. Rymer Young will be generally endorsed, but one thing was not said of him that well might have been. Mr. Young, with all his activity and zeal, never obtruded himself on public notice, setting an example in this respect which some of his fellow-councillors do not follow. He was content with "the glory of going on, and still to be." As a councillor he is no more, but few have retired fuller of honours or leaving a greater reputation behind them.

#### The Meeting

of the Executive Committee of the Retail Pharmacists' Union on May 29 attended strictly to business. It is always a pleasure to praise when one honestly can, and the Committee is to be congratulated on the good work done. The subjects discussed were of practical importance, they were very sensibly discussed, and the decisions arrived at were equally sensible. I believe I have said before that the R.P.U. shines more in these small matters of domestic economy than when handling questions of political importance. I am increasingly strong in the opinion that in handing such questions over to it the Society made a great mistake. In anything that brings us up against the Government or any of its departments the Society is our natural and proper protector. Government itself is clearly of this opinion, and indeed one would not have thought that any other was possible. The Society has the "prestige of authority"; it is a statutory body, and I may therefore add to my quotation "the enchanted defences of superstition" as well, and, above all, it is directly responsible to Government, which the R.P.U. is not.

#### The Insurance Committees,

it seems to me, have a distinct ground of complaint against the Ministry of Health for taking the testing of prescriptions out of their hands. It is emphatically their job, and it is one which they have by no means neglected; moreover, it is one with which they ought, and apparently are, more to be trusted than the medical officers of county or borough authorities. The cases reported from Middlesex last week may be cited in proof. The fact that out of twenty

cases, in only two were proceedings taken, and only one resulted in a fine, is presumptive evidence that a different standard was applied here from that of the Islington authorities. I am glad to see my view of the behaviour of the Hampstead magistrates endorsed so emphatically, and I wonder the more that the magistrate refused to listen to counsel's appeal for costs against the borough council.

#### The Retrenchment Policy

of the Government with regard to the Science Museum at South Kensington is not directly a pharmaceutical matter, but it was brought before the May Council meeting, and cannot be passed in silence by anyone who has the welfare of the nation at heart. It is a disgrace to the British people that whenever the cry of economy is raised the first things to be sacrificed to it are the things of the mind. Museums, art galleries, education in all its branches, everything which ministers to the amenities of life and the intellectual growth of the people, without being directly remunerative in a commercial sense—these are the things to suffer first. It has always been so, and in this material age it is more so than ever. I am glad to see that the Council is to bring the matter before other Associations interested.

#### In a Recent Prosecution

for inaccurate dispensing, the question of the value of the tablespoon as a medicinal measure cropped up. Counsel was apparently about to argue that, while the tablespoon is accepted as a legitimate measure, absolute accuracy of dosage is impossible and cannot therefore be expected, an argument of which the cogency is evident to the instructed mind; but the magistrate stopped him, not seeing the relevancy of the argument. Later in the day, however, it was ruled that it is not the "intentions" of the doctor, but his "instructions" that the dispenser has to carry out. In this case the doctor had ordered "½ ounce" doses. There can be no doubt at all that he would have accepted "a tablespoonful" as equivalent to this, but it was not in accordance with his instructions. Clearly the magistrate was wrong in refusing to admit that the intentions of the doctor should be our guide. Otherwise we shall have to use the term "half-an-ounce" on our labels, for nobody will contend that even a graduated bottle can be depended upon for perfect accuracy. The practice of directing "a measured tablespoonful," by the way, has always seemed to me futile. In what would the patient measure a tablespoonful but in a tablespoon, unless, indeed, with every bottle of medicine a glass measure were sent out? I may be told that these minute considerations are absurd. Of course they are, or they would be inappropriate as comments on the magistrate's ruling.

#### I am Staying

for a few weeks in the little town—scarcely more than a village—in which formerly I used to dispense the blessings of the Pliarmacopeia and some private formulas to an unappreciative public. What a poor little place it seems! How dark and small the shops, including the one in which I used to take a certain pride! Externally they are rather smarter than they used to be, but within they are poor, poky places. Very few changes have taken place in the seventeen years since I left the place; there are a few motor vehicles about, and the streets are tarred; the smell of the tar mingles rather agreeably with the odours that rise from the open drains on each side of the streets. Many of the old residents are, of course, gone; only one man remains in a retail shop of all who were in business here when I first came to the place. My successor keeps up the old style of business. I cannot help feeling that the letters M.P.S. after his name are superfluous; a pharmacist seems almost thrown away here, and I think that if our Council realised the vast number of places in which it is so they would consider the present qualification sufficiently high. It is in places like this, too, that the D.D.A. presses most hardly. I am glad I am out of it!



N announcement of particular interest to you appears in this issue on page 12



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- THE -

# Chemist and Druggist

ANNUAL

SPECIAL ISSUE

The Advertisement Section closes for press Saturday, June 23rd.



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## Editorial Articles

The Dangerous Drugs and Poisons Act, 1923

III.

WE continue to receive inquiries from wholesalers and manufacturers having dealings with doctors, dentists and veterinary surgeons as to their exact position under Section 3, which amends the Pharmacy Act, 1868. The expression of opinion by the Home Office that this section applies to wholesalers having dealings with doctors, dentists, and veterinary surgeons is important. Many who are in doubt have asked us whether this interpretation is correct or not. Does not wholesale dealing cover them in supplying Part I poisons? The answer is "No." It appears that we have in the parent Act another casus omissus, not the first of its kind. For more than fifty years it has been assumed that wholesale dealing in Part I poisons covered the supply to persons using them in their business, in teaching institutions, in hospitals, or similar places, and were subject to the usual conditions of labelling, etc. This was held to cover doctors, dentists and veterinary surgeons. The Dangerous Drugs Act, 1920, brought in its train the Regulations governing "dangerous" drugs on the assumption that there was no real controlling power. The Regulations clearly laid down conditions for sale by wholesalers to retail distributors and modified conditions to facilitate the purchase for legitimate purposes by institutions. For example, a pharmacist in a public institution must send a signed order before it can be executed. Similarly, conditions were attached for all authorised persons to procure these drugs. When a retail chemist sold a "dangerous" drug to an "authorised" person, he received the signed order, entered it in his register, and kept the order. This was regarded as being a retail transaction, and the authorised person was not under the necessity of signing the Poisons Book. When this was proved to be an irregularity, the amending process began, and, while freeing the chemist in retail from his difficulties, it has been made clear that the same disabilities as to Part I poisons apply to the wholesaler. So far as the retailer is concerned, his course is now fairly simple, but commercially and institutionally, in relation to wholesalers, the conditions remain unchanged, while trade in Part I poisons with doctors, dentists, and veterinary surgeons is now regularised both for retail dealer and wholesale dealer. How comes it about that wholesalers are now being regulated, seeing there has been no change in the principle of the law? Section 16 of the Pharmacy Act, 1868, states:-

Nothing hereinbefore contained shall extend or interfere with the business of wholesale dealers in supplying poisons in the ordinary course of wholesale dealing.

But it then goes on in Section 17:-

It shall be unlawful to sell any person, either by wholesale or by retail, unless, etc. (1) The person shall be known to the seller; (2) or introduced by someone known; (3) shall, before delivery, make or cause to be made an entry in a book to be kept for the purpose—to which entry the signature of the purchaser and of the person, if any, who introduced him shall be fixed.

This shall not apply to articles to be exported from Great Britain by wholesale dealers, nor to sales by wholesale to retail dealers in the ordinary course of wholesale dealing. The inference is, that it does apply in other cases, and the dictum of the Home Office on medical supply appears to show they felt it did, but they wisely left the inferential interpretation alone. If the law is strictly interpreted, any person other than a "retail dealer" must, in future, proceed to the vendor and sign his "non-existent" poleon book before he can get

Part I poisons for his legitimate business, which is absurd, or, if he be a doctor, dentist, or veterinary surgeon, he can now send a signed order and save nimself the journey. Strange as it may appear, pharmacists in institutions can get tincture of opium by omplying with the Regulations, but cannot get tinctures, vom. without a personal visit or causing the wholesaler technically to break the law. If we seek nlightenment from legal commentaries, we find they ppear to be conscious of something wrong, but none of hem venture to define the words above italicised taken rom Section 17. Sir Wm. Glyn Jones, in "The Law of Poisons and Pharmacy," says on Wholesaling and setailing, p. 39:—

As a general rule, the wholesale dealer in poisons deals aly with (a) persons who buy to resell, (b) medical men, and (c) others who purchase poisons for use in their profession or business in such quantities as it is the custom of wholesalers to supply.

The preamble of the 1868 Act says :--

It is expedient, for the safety of the public, that persons ceeping open shop for retailing . . . and "Persons whose pusiness is to sell, dispense, or use poisons in their vocation may be supposed to be aware of the nature of the poisons hey handle . . . as not to need safeguarding.

Again, on p. 92 it is stated:—

Sales by wholesale to retail dealers in the ordinary course of wholesale dealing . . . Strictly speaking, a casual rangaction between one retail dealer and another, or the occasional supply of medicines, which are scheduled poisons by a retail chemist to a medical man for his own uses not within this exemption.

The recent amendment made put this in order. But we ave still to find what is the meaning of the words sed in Section 17. The purpose seems clear, but he wording used implies limitations, while our legal uminaries are only rush-lights. Should anyone be rash nough to prosecute, it will be interesting, but unless he courts were to decide otherwise, the conditions to e observed should be those found first in the Arsenic let and now in this amendement. Wholesalers selling to ther persons than "retail dealers" should receive a igned order, and record it in a book kept for the urpose; their offence then is merely technical. mission of the wholesalers and the position of others then Section 17 was being amended is not a very satisactory way of leaving the matter. Whether someone as blundered or it is lack of foresight or "too many ooks" we do not know, but it is reasonable to expect he manufacturer and wholesaler to resent the assurance f peace when there is no peace It is obvious that o one wholesale house wants to be made the victim of test-case, and the course that seems to have been ecided upon is to require signed orders from all persons, xcept retail chemists, to whom Part I poisons are sold. his has brought us many inquiries for complete lists f poisons and preparations which are included in Part I f the Poisons Schedule. We already publish as Poisons ard No. 2 an Extended List of Poisons, but this is ot in a convenient form for use by commercial avellers who take orders "on the road," and by emloyees of wholesale houses. If there is likely to be afficient demand for such a list as that referred to pove, we shall be glad to assist the wholesale trade by rinting the extended list of Part I poisons in a amphlet suitable for the pocket. This is a nvenient to refer place to the fact that we have in hand a revised edition of .D.A. the epitome of the Dangerous Drugs Act ARD and Regulations which we issue as Poisons Card No. 4. Many thousands of these ards have been issued, and they are to be found

in practically every pharmacy in Great Britain. will be remembered that it was this card which laid down the "safety limits" for "dangerous" drugs which have been a great help to chemists in checking prescriptions and which have been officially adopted by the Home Office. The card is used by the Government inspectors who visit chemists' shops to check the entries in "Dangerous" Drugs Registers. We first published the information in THE CHEMIST AND DRUGGIST in the special number, 1921, and afterwards printed it in card form, these being first on sale on August 19, 1921. Since then several new editions have been produced to meet the various changes in the Regulations made by the Home Office. The Dangerous Drugs and Poisons (Amendment) Act which has just come into force necessitates a further The matter of percentage composition is simplified, and we have additions to make to the list of preparations which come under the Dangerous Drugs Act. The card is the only publication of its kind, and it is only the unrivalled resources of The Chemist and DRUGGIST that make it possible to produce such a guide. The Pharmaceutical Society, from their official position, cannot undertake such a task, and the next best thing is to produce one with all the authority of THE CHEMIST AND DRUGGIST behind it. An announcement of the publication of the revised card will be made in an early

#### American Turpentine and Substitutes

The regular trader in spirit of turpentine is well aware of the fact that the quotations current on the London market and at some of the provincial centres relate to the genuine American product only, which is secured from the distillation of the resin. This product constitutes the basis for the dealings on the current contract for specified delivery ex wharves. Apparently, however, there are traders overseas who are not conversant with the contract dealings carried on, as will be seen from the following letter which we have received from a firm in the Indian trade:—

We note in your last issue turpentine oil is quoted at 107s. At the above figure the ton works out at £107, presumably for delivery in London, whilst we have been recently offered, and actually bought, Swedish turpentine B.P. at £60 per ton, c.i.f. Alexandria, packages included. Many other drug stores in Egypt also placed orders for the same stuff. Turpentine being an international product, we are at a loss to understand how there can be such a wide difference in prices. Surely the producers in Sweden could do much better by selling their oil in London, and it is hardly to be believed that they need cater for the Egyptian market, where they are cutting prices by nearly 50 per cent. for sales not exceeding at the most a ton or two, when they can throw large stocks on the London market and get higher prices. We would add that our astonishment at the above difference in prices is the greater because an offer around £60 per ton came from another reliable firm.

In explaining the reasons for the wide discrepancy in prices between American and Swedish turpentine, it is necessary to bear in mind that genuine American spirit is still very dear and that there is a quietly increasing supply of the various descriptions of the cheaper competitive or secondary products from different countries, coming forward. The range of values therefore covering all turpentine oils is extremely wide, varying from well over £100 for the American standard grade down to about £35 per ton for Russian spirit. Having regard to the question of quality, chemical properties, smell, colour, etc., which are essential points as regards use, and upon which the extent of the outlet largely depends, the difference is very much in favour of genuine American spirit compared with other descriptions of turpentine. The

American product, which is directly obtained from the distillation of crude resin which flows from the trees into collecting receptacles or suspended "cups," is, of course, far superior to that secured from the stumps of trees by steam distillation. Each operation in the production of the former, under scientific methods, is given strict supervision in order to ensure a clean and uniform standard of quality, as has been long since attained in the United States naval stores industry. The crude resin is placed in barrels and hauled to the still. The latter consists of a big copper kettle with a goose neck cap and worm condenser, and heat is applied by a wood fire direct to the kettle. The process while apparently crude has, however, been developed to a remarkably high degree of skill. The distillation is controlled both by sound, which indicates the character of the boiling of the resin, and by Other interesting particulars, together a thermometer. with the illustrations of the whole process of manufacturing, have just been issued in a booklet by the Gilliean. Chipley Company, Inc., one of the largest American producing concerns. Grecian white spirit is also a high-class article fully equal to American, but its production is very small, and practically the whole of it is marketed locally. The most important source of production outside of the United States, as is well known, is France, whose production is the nearest approach to American spirit, and usually finds a regular outlet in this country, certain quantities being occasionally drawn by consumers against the London contract at some allowance under the value of the American product. For some years past American wood spirit has also been produced in considerable quantities, and is obviously marketed at a material discount on the genuine article. The supply of the cheaper substitutes, chiefly Russian and Scandinavian spirit, had assumed fair proportions before the war, and the fact that the quality of the Russian article was much improved by more up-to-date methods of preparation whereby its obnoxious smell was largely eliminated, caused its use to become more popular for many purposes for which the genuine American product could be dispensed with. In fact, Russian spirit No. 1 usually found a ready sale. Offers from Russia, we understand, have been of late made at prices from about £30 and £40 per ton c.i.f. U.K. ports, and Swedish turpentine could have been secured recently down to about £50 landed on this side, and thus at very considerably below the terms mentioned in the above-mentioned letter. Scandinavian spirit is widely divergent in quality, being the product extracted from wood stumps, and even lumber of various descriptions, through steam distillation, and uniformity in the matter of grading or quality is practically impossible. The supply of such substitutes, as already stated, has been increasing, arrivals from Russia, although still very restricted, being marketed more regularly, and likely to be gradually restored in time to something more approximating pre-war dimensions. A good outlet has been secured for substitutes for some time past at prices varying be-tween about 1s. 9d. to 2s. 6d. per gallon, according to qual-ity. As regards the position of American turpentine, stocks here are still very small, and in fact only about sufficient for a few weeks' requirements, and there is at the moment virtually nothing affoat from the other side. The recent weakness at Savannah was due, apart from a disappointing demand, to the surplus still in existence of old season spirit, and the fact that the receipts of the new crop are for the time being distinctly in excess of the absorbing capacity of the market. Inflated figures continue to be paid for spot delivery, but rather conservative views exist as to future developments, although the terms ruling on distant contracts down to about 75s, are by some regarded as comparatively low, and sellers are rather cautious.

#### International Opium Control

In consequence of the attitude adopted by the American delegates, the draft finally adopted by the League of Nations Opium Commission, on June 5, has not yet received the formal approval of the United States. As reported in our issue of June 9 (p. 801), the American delegation practically presented an ultimatum, demanding that the Commission should advocate the control of the production of opium, and declare its use illegitimate for all save medicinal and scientific uses. The American delegates thereupon withdrew from the meetings, intercourse being maintained by correspondence. Finally, after a lively discussion on the suggestions advanced to find a formula acceptable to all parties, a resolution was drafted, with the collaboration of two of the American delegates, and adopted by the Commission, with certain reservations. In acknowledging receipt of a copy of the resolution, Mr. Stephen G. Porter, chairman of the United States delegation, in a letter addressed to M. Bourgeois, President of the Opium Commission, expresses himself as follows:—"The reservation formulated by the Commission, while accepting the American proposals, is apparently a renewed affirmation of the principles laid down in Chapter II. of the Hague Convention. It, therefore, should not give rise to any objections. Articles 2 and 3, we hope, will not call for any protests, particularly in view of the earnest desire of the United States to co-operate in every possible way towards the suppression of the illegitimate use of narcotics. With regard to Article 4, I have not received any special instructions concerning the question dealt with therein; however, it contains a suggestion which I shall not fail to submit to my Government for favourable examination."

#### Opium in Switzerland

A DECIDED divergence of views on the question of the control of narcotics manifestly exists between French and German Switzerland, as revealed in the treatment accorded by the Press to the meetings recently held in Geneva (C. & D., June 9, p. 801) of the Opium Advisory Committee of the League of Nations. While the newspapers published in French devote considerable space to the dis-German-Swiss papers mostly content themselves with brief references to its doings; one, the "Basler Nachrichten," persisting in its hostile attitude to the Hague Convention, with a few covert attacks on Great Britam, on lines similar to those adopted in a previous article, to which reference was made in the C. & D., June 2, p. 777. The question of the ratification by Switzerland of the Hague Convention arose in the course of a debate in the Federal Council on June 6, on the League of Nations. One of the Councillors, M. Gottret, a Geneval pharmaciet, in his interpolation, particulated and the council of the Councillors of the Councillor pharmacist, in his interpellation, mentioned that Switzer land does not consume 5 per cent. of the narcotics manufactured in the country, and alluded to the sending by Swiss firms of considerable amounts of morphine to Canadlabelled "cocoa." He also referred to the efforts made by industrialists to prevent Switzerland from collaborat ing in this international work, by cynically concealing private interests under the mask of national interests This was a thrust at the author of the article referred to above, who predicted unemployment for hundreds o workers should Switzerland ratify the Hague Conven tion. He reminded the Council that the Swiss delegate to the League of Nations had promised that the term of the Convention would be submitted for ratificatio to the Swiss Parliament in December, 1922. M. Mott expressed the view that it was Switzerland's duty to associate with other nations in combating the "scourg of narcotics." It would be a suicidal policy to clos one's eyes to current events. The material security one's eyes to current events. The material security of the country, he continued, is closely associated with the esteem in which Swiss democracy is held, and should the day come that this democracy failed to participate in humanitarian works, then Switzerland would forfet the esteem of the world it now enjoyed, although on a small country. Finally, a motion was voted in favor of ratification by the Parliament of the terms of the Hague Opium Convention. Thus, before long, Switzel land will fall in line with the other countries while were signatories to that agreement.

#### Pharmacy on the Riviera

A BUSY and successful season draws to a close, and one gets time to reflect upon what has passed in the last five months. Being a quiet morning, we take a stroll in the gardens. There is a flood of warm sunshine over everything, and the brightness of it cheers. The clearness of the atmosphere, together with the vivid



A RIVIERA PHARMACY

colourings of the landscape (and seascape), makes one love the Riviera for evermore. Memories of days spent in London and smaller English cities, with their black buildings just visible as dark grey monsters in the thick foggy atmosphere, the drizzling rain, East winds, mufflers, heavy overcoats, sleet and slush, are all banished into the land of bad dreams. Here, beneath a magical canopy of deep-blue sky, is a landscape ornamented with every shade of green, relieved by light-coloured buildings and picturesque villas with their characteristic red-coloured roofs. The waters of the Mediterranean, showing all shades of blue, wash the shores of this delightful land with their snow-white foam. Thousands of people spend dollars and pounds happily to see and dwell among it all; thousands there are that know it not. The palm trees of the gardens afford cool shelters; the eucalyntus, magnolia, fig, olive, mimosa and the orange flourish; numerous cacti add to the tropical effect. Climbing roses and the heliotrope of Peru ornament the tree trunks; roses, carnations and violets perfume the sea breezes, and the military band plays us a selection from "Carmen." Many pharmacists at home might think that this forty minutes' stroll could be better utilised in putting up a couple of dozen penny vaselines, but we have more artistic aspirations on the Riviera. We purchase a few roses or carnations for the dispensing counter at the famous Marché aux Fleurs, close by; a 125-cc. measure makes an excellent flower wase

125-c.c. measure makes an excellent flower vase.

The Riviera is now at its best, yet few visitors are with us. One by one the fashionable hotels and shops are closing for the season, and the number of Rolls

Royces in the Avenue du Verdun gets less and less. Fashion decrees that the summer shall be spent in Vichy, Evian, Aix-les-Bains, or Ostend. The life of the pharmacist out here is by no means spent wholly among his bottles. Two hours will be given for lunch always, and five minutes' walk in the warm sunshine will take him to his restaurant or pension. The delightful freedom of the restaurant and café life of the South lives sweetly in the memory for years after one has settled down in the "old place" at home. After lunch, and a quiet stroll along the sea front, coffee will be taken at some popular café facing the sea, the gardens, or the Casino. At nine o'clock in the mornings, when he arrives at business, he will find that the garçons have been there before him, and that everything is washed, cleaned and polished up ready for the day's work. At 10 he will begin to get really busy, and at 7.30 or 8 p.m. the day's work will be entirely free, and though the half-holiday is not generally recognised in France, it is sometimes found that where more than one English assistant is kept this holiday is provided for. General holidays count as Sundays, and the duty is all day, the whole of the staff being on duty.

is all day, the whole of the staff being on duty. In the season, room and pension cost more than in the summer months, but within five or ten minutes' walk, or a short train ride from the centre of the town, a comfortable room may be had for 100 francs a month. One generally expects to pay 125 francs, and pension will cost twice this sum. Such a thing as a room on the premises, or a room and board forming part of the salary, is an unusual arrangement in any part of France. In one such pharmacy, however, 5 francs is the charge



VIEW FROM THE PHARMACY

made over and above the price of the goods for the night service. This 5 francs belongs to the assistant on night duty—Any complaints? The salaries paid vary with the experience of the assistant and the magnitude of the English and American work; 700, 800, 900 and 1,000 francs a month are paid on the Riviera. Paris, which is not altogether a season place, shor'd pay 150 francs a month more in order to compensate for the extra cost of living. Any assistant intending to make a stay in that city should not accept less than 850 francs a month—even that is somewhat low. The

number of English assistants on the Riviera is probably the largest for many years, and some pharmacies employ three. They must be satisfied with their surroundings, for some of them have fixed up for next season, making a fourth or fifth winter on the Côte d'Azur. It must be observed that quite 200,000 English and American visitors spend the greater part of the season between Monte Carlo and Cannes. Many of them have villas of their own and make a stay of at least seven months. The English and American work is therefore pretty large, and in some pharmacies one forgets one is working in France, because in many cases one will make up English prescriptions and sell English goods in the English language for quite an hour without a break.

It is impossible in this short space to go into the defails of the dispensing and counter work of a Riviera

pharmacy, and for the same reason one cannot describe any other town but Nice, and one cannot give particulars of the delightful excursions from Nice by tram, train, auto-car or steamer. The dispensing is large and varied—50 per cent. English, 20 per cent. American, 20 per cent. French, and 10 per cent. Spanish, Italian, Swiss, and so forth. One gets prescriptions stamped with the names of pharmacies as far apart as Honolulu and Aden, Cape Town and Los Angeles. Capsules and elixirs predominate in American prescriptions, and cachets and ampoules characterise the French. The counter work is more pleasant, for you speak with the élite of many countriesa Prince, a Rajah, an American banker, a steel king, a well-known novelist, a famous singer, a cinema star, a learned judge, or a popular statesman may be among your morning's customers. Their purchases will consist of well, of all the leading lines one may find in the advertisements of the C. C D. Nice offers more advantages to the English assistant than any town on the Côte d'Azur. It is really a city with a large population of its own to cater for; hence pleasures are cheap and numerous. Two gorgeous casinos, an opera house, numerous theatres and cinemas, cafés, concerts and dances do the nightly round throughout the season. There are, roughly, about seventy-five pharmacies and 320 doctors who look after the health of the inhabitants of "Nice, la Belle." It is also a city of hotels and fêtes, and the famous carnival needs two columns to describe it briefly. First-class services link the city with all the important towns and villages along the coast, among the mountains and in the valleys. Some members of the pharmaceutical world in England have doubtless some idea of what a pleasant city this is, for last year a chemist in Nice had seventy-five replies to his advertisement in the C. C D. for an English assistant.

Some chemists in England have the idea that a season on the Riviera is a nice change, that one gains some extra experience, saves no money, and gets back to England in May. It is well to point out that the pharmaceutical assistant's prospects on the Riviera cannot be circumscribed in this manner. He has his chances out here as well as at home. Sometimes these chances are better, but one cannot expect them to be so numerous as those in the British Isles. The French chemist is seldom a business man; he has had years of laboratory training, and prefers this side of the work. He is anxious to have a commercial manager—an Englishman for preference—so that the money-making side of the business shall be cared for. It is noteworthy that the more important pharmacists of Morocco, Algeria, Tunis, the Riviera and Paris have, with few exceptions, English managers. These posts are generally comfortable and well paid, and anyone contemplating such a post should make up his mind thoroughly to master French and Italian for the Riviera, or French and Arabic for the French colonies.—"CINZANO" (17/5).

Instruction for druggists.—The lectures on vegetable drugs, organised last year by the Wholesale Druggists' Association of Paris for the instruction of their employees, have been followed up this year by practical lessons on chemistry as applied to the drug trade, on Tuesday and Thursday evenings, and by Saturday afternoon lectures on chemical industries relating to the drug trade.

#### South African Customs and **Excise Duties**

In the Cape House of Assembly, on May 22, Mr. Burton (Minister of Finance) formally moved the third reading of the Customs and Excise Duties Amendment Bill. The following report of the proceedings is from the "Cape Times":—

THE MEDICINE TAX

Mr. Christie (Lab., Langlaagte) said that he wished to register one final protest against the imposition under this Bill of the patent medicine tax. The Minister had shown a certain amount of firmness in the sense that he had stuck to his Bill, but he would remind the hon, gentleman that firmness against reason and argument was not the firmness of a strong man, but was rather an evidence of obstinacy. As time went on it became more patent how gross was the injustice of this tax. The hon, member displayed a poster issued by the chemists with black lettering on a yellow ground with the inscription: "If your medicines cost you more, don't blame us, blame the Government." That was the attitude of the chemists, and a justifiable attitude, too. They might well say: "When your teeth ache, the Government will cost you twopence." The new tax was in reality a sales tax. Mr. Burton was obstinate, and obstinacy was only another word for stupidity.

Mr. Blackwell (S.A.P., Bezuidenhout) suggested that chemists should expose in their shops a placard reading, "Your medicines now cost you more. Don't blame us, blame Mr. Christie, the only chemist in the House who was not in his place to oppose these proposals when first introfirmness against reason and argument was not the firmness

blame Mr. Christie, the only chemist in the House who was not in his place to oppose these proposals when first introduced and brought into Committee of Ways and Means." (Laughter.) Mr. Blackwell reminded the House that the Labour members had taken strong exception to a member who was interested in the match industry participating in a debate concerning matches, on the ground that he was financially interested in the question, yet Mr. Christie, who was a chapter of the proposed proposed and taken a very large share in denouncing

financially interested in the question, yet Mr. Christie, who was a chemist, had taken a very large share in denouncing proposals which financially affected chemists. Mr. Christie complained that the medicine tax was a tax on capital, yet the Labour Party in the Transvaal, to which Mr. Christie belonged, was doing its best to tax capital. (Hear, hear.) Mr. Nathan (S.A.P., Von Brandis) said that if Mr. Christie purported to be sneaking on behalf of the Johannesburg chemists, a complete answer to his statements was furnished by the following message which had been received from the Johannesburg Chamber of Commerce: "Chemists appear now to be satisfied and, that being so, Chamber is equally content." (Ironical Labour cheers.)

"An Iniquitous Impost"

Mr. Alexander (Const. Demt., Cape Town Castle) said that he wished to register his protest against the medicine that he wished to register his protest against the medicine tax, which he looked upon as an iniquitous impost. If a man were ill one ought to try and enable him to get his medicine as cheaply and expeditiously as possible. The tax ought never to have been imposed on the retailers. These medicines were the poor man's doctor. There were thousands of people to-day who could not afford to call in a doctor. The tax amounted to forcing the chemists to give a free loan to the Government amounting to thousands of pounds until such goods as had to be stamped were sold.

NO PROTEST FROM CHEMISTS After further discussion, Mr. Burton said he did not wish to say anything more about the patent medicines, except that the views put forward by Mr. Christie had not reached him (the Minister) through the Chemists' Association when they discussed the matter with him. The chemists had accepted the situation and were now working with the Government. There had not been a single word of protest addressed to himself or the Commissioner of Customs on this matter. this matter.

The Bill was read a third time and ordered to be transmitted to the Senate for its concurrence.

SAN SALVADOR TARIFF CHANGES.—The rate of duty chargeable on the following categories of pharmaceutical specialities imported into San Salvador has been reduced from one gold peso to 40 gold centavos per kilogram: Wines; elixirs; tinctures; syrups and solutions containing: cod-liver oil, cinchona, pepsin, peptone, pancreatin, diastase, malt, hæmoglobin, lecithin, vitamins, creesote, guaiacol and its compounds, glycerophosphates, coca, kola, calumba, digitalis, gentian, squill, colchicum, urotropin, iodotannin, salts of iron, bromine, iodine, manganese, bismuth, calcium, strontium, nranium, phosphates, colloidal metals and metalloids.

#### **Association Affairs**

Aberdeen.—The quarterly meeting of the Aberdeen Pharmaceutical Association was held on June 5, Mr. Jas. Farquhar (President) in the chair. Evening class students were present by invitation for presentation of prizes to the winners in the competition under the Association prize scheme. Mr. Farquhar presented the prizes in the various subjects as follows:—Chemistry and Physics: First stage: (1) Mr. W. Y. Fettes, (2) Mr. J. L. D. McIntosh. Second stage: (1) Mr. J. A. Martin, (2) Mr. J. Forbes. Organic Chemistry: Third stage: (1) Miss E. M. Ewen, (2) Mr. C. Kellas. Botany: (1) Miss Catherine McRobb, (2) Mr. C. Kellas. Dr. Tocher, who had set and judged the papers for the examination, criticised the work and gave advice as to the best course to pursue in future studies. Refreshments were afterwards served. It was agreed to hold the examination for the Petrie Trust Bursary about June 23. Dr. Tocher was thanked for his gift of copies of his report on the Drug Tariff under the Insurance Act, which will be kept by the Association for reference. The delegates to the governors of Gordon's College reported on the result of their meeting with the Finance Committee, and recommended that £10 be paid immediately from the funds of the Association, and that a fund be raised in Aberdeen and the North of Scotland, the annual income of which will go towards the upkeep of the pharmacy school at Gordon's College. Donations from former students will be received by Mr. Wm. Reid, 41 Forest Avenue, Aberdeen. The annual picnic will be held on June 27 at Edzell; train leaves Aberdeen at 12.30 p.m. Containers for autogenous vaccines will be obtainable from Dr. Tocher, who has agreed to keep a supply.

Glasgow.—The annual meeting of the Glasgow Pharmacy Club was held on June 8, Mr. H. P. Arthur (President) in the chair. The secretary's and treasurer's reports were submitted and approved of. The membership now numbers 207. The following office-bearers were appointed:—Hon. President, Mr. Geo. Mackay; President, Mr. H. P. Arthur; Vice-Presidents, Mr. Robt. Dickson and Mr. A. McSween; Secretary, Mr. P. M. Duff; Treasurer, Miss L. Ramsay; Librarian, Mr. J. H. Ramsay. A special committee was appointed to raise funds for the purchase of

a suitable home for the club.

Hull.—Mr. H. E. Brown, addressing a meeting of the Hull Chemists' Association on June 5, gave some aspects

Pharmacy About Thirty-five Years Ago. At that period "old pharmacy" was passing through its death throes, happily to be born again. The modern company pharmacy was beginning to make itself felt and the old order to pass away. He described the chemists' shops in the town at the time, mentioning that one chemist bought arsenic in 3-cwt. casks; another was noted for his "brush polish." Another one generally kept a large cask of calc. chlor. standing on the shop floor without a lid, from which he ladled out pennyworths in paper cones. The cost of labour was infinitesimal compared with that of the present day, and in the shop where he was employed they had six apprentices, two outdoor porters, a qualified manager and the principal. The manager was a married man who lived in the house attached to the shop and had to provide board and lodging for the indoor apprentices, who were bound for five years and paid a premium of £100 to cover board and lodging, receiving no salary. Outdoor apprentices paid no premium, and received £5 salary in the fourth year and £10 in the fifth. The 1885 Pharmacopæia was not the highly scientific volume of the present day. All galenicals were made on the premises. Another point was the packing of own name goods and the hold which wholesale houses who cater for this business are getting on the trade. Everything in those days was sold under their own name and packed and labelled on the premises. Educational facilities for pharmaceutical students were very few. There was no complete course to be had in Hull; there was a botany class at the Young People's Institute and one for chemistry at the

Royal Institution. Those were the days when the enormous profits of chemists was a byword and a joke; perhaps from a percentage point they were high, but it perhaps from a percentage point they were high, but it was on a comparatively small turnover. Patents were 1s. 1½d., 2s. 9d., etc.; wholesale, 9s. and 22s. The old style of business was on quite sound lines, but the "company man" realised that the retail druggist, although a sound craftsman, was not a good merchant; he realised also the commercial possibilities of pharmacy. When the great onslaught came the old régime was not able to hold its head up long. Chemists, when they forgathered, used to say, "It can't go on; the stores will all be bankrupt in a few years." Of course, it did go on, and the old style of business grew less and less, and possibly only those who went through it and looked back now realised how near they were to extinction. There were remedies for everything, however, and the craft began to adapt themselves to the new and the craft began to adapt themselves to the new conditions, and from then pharmacy was born again. In connection with this reincarnation the first move brought the "substitution period," and then came the Proprietary Articles Trade Association and afterwards the local buying associations. He thought they ought to watch with caution the movements of a number of houses who were putting up packed goods under "branded" names, for the "own name" method was gradually being pushed into the background. Pharmacists must beware that they did not degenerate into mere distributors of branded goods. In his presidential address (C. & D., March 16, p. 365), Mr. Bennett had drawn a picture of the chemist of the future as a highly profes-sional man. There was a feeling in many quarters that pharmacists should have professional recognition; they could get it if they were prepared to pay the price. they could get it if they were prepared to pay the price. But was it worth it? For a generation they had been commercialising their business, and to-day they held a well-established and prosperous position in the commercial world. Their business was a highly skilled and technical one, and they should guard their craftsmantic includes. Still there was no need to whine nor technical one, and they should guard their craftsman-ship jealously. Still, there was no need to whine nor feel slighted because they did not receive the profes-sional recognition of medical men. Pharmacists' methods of earning their living were on different lines. They were essentially traders, and if they were prepared to cut out all that was non-professional in their business and perhaps for a generation develop on scientific lines they would probably all die in the workhouse. Medical practice and pharmacy were two branches of medicine which had developed on different lines, but they were complementary, not antagonistic. In conclusion, the speaker said that the aim of modern pharmacy should be commercial craftsmanship.

Scarborough.-A meeting of the local branch was held on June 5, Mr. W. R. Eyre in the chair. Mr. J. S. Longdin was elected as a delegate to the British Pharmaceutical Conference, and it was decided to ask Mr. G. Whitfield also to act as a delegate. In response to the Pharmaceutical Society's circular regarding the education of apprentices, the following resolutions were passed:—Indentures should always be insisted upon. No apprentice to be taken, unless the Preliminary examination has been passed, or at least two-thirds of it. If the remainder is not passed within a year the indentures to be cancelled. The standard for the Preliminary examination to be raised to at least the level of the Cambridge Senior Local examination. Apprentices should be allowed in a pharmacy in the ratio of two for every qualified man employed. Each apprentice to keep a log book, in which a record of pharmaceutical work done should be entered, and checked by the employer. Any apprentice who was not satisfied with his training to have the right of appealing to a Court of Pharmacists set up by the branch concerned, and the decisions of this Court to be final. Four years should be specified for the term of pupilage. Remuneration must differ according to local conditions. No recommendation was arrived at on this question. The Scarborough Municipal Secondary School being recognised for Part I. of the Qualifying examination, the local chemists have agreed that where an apprentice attends classes two periods of one and a half hour each would be allowed off weekly

during the school terms.

#### Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

#### Local Reports

#### ENGLAND AND WALES

ENGLAND AND WALES

Bath.—At a meeting of the South-Western Joint Pricing Committee, recently, the following information was presented: The prescriptions priced during 1922 were 2,449,544, at a cost per thousand of 24s. 11d., compared with 2,204,066, at 33s., in 1921. The administrative expenses of the Committee in 1922 were £3,065 8s. 7d., which was reduced by sundry receipts to £3,053 8s. 5d. The chemists' accounts for the year under review were priced at £94,718 13s. 10d., and for the six previous years: 1916, £49,482 11s. 10d.; 1917, £48,436 3s. 8d.; 1918, £65,678 6s. 1d.; 1919, £68,580 0s. 4d.; 1920, £95,105 17s. 10d.; 1921, £93,821 1s. 5d. The average cost per script for the past seven years has been: 1916, 7.66d.; 1917, 7.80d.; 1918, 9.06d.; 1919, 10.20d.; 1920, 12.97d.; 1921, 12.39d.; 1922, 11.17d. The Central Checking Bureau, acting on behalf of the various Pharmaceutical Committees, checked the scripts monthly, when a net difference of 0.058d. was found, as compared with 0.039d. for 1921. was found, as compared with 0.039d. for 1921.

Bournemouth.—At a recent meeting of the Insurance Committee the medical benefit sub-committee referred to Committee the medical benefit sub-committee referred to a proposal that a single form prescription book be adopted, and this was agreed to. The report for 1922 stated that there were 46 chemists' shops on the list at the end of the year. The total number of prescriptions dispensed during the year by the chemists on the Insurance List was 79,039, value £3,134 4s. 3d. The average cost of prescription was 9.5d. The total number of prescriptions in 1921 was 72,354, the cost £3,111, and the average cost 10.4d. In 1920 there were 69,078 prescriptions, which cost £3,087, the average being 10.7d. tions, which cost £3,087, the average being 10.7d.

East Ham.—At a meeting of the Insurance Committee, on May 30, it was reported that, in accordance with their usual procedure, the Joint Pricing Committee had scrutinised prescriptions, and had extracted and forwarded to the local panel committee thirty-four scripts, the values varying in amount from 2s. 6d. to 14s. 6d. Mr. Boase said it could not be too widely known that, providing a medical practitioner was satisfied that a certain prescription was necessary for a patient, he was right in ordering it. The clerk reported that steps had been taken, in conjunction with the chief sanitary inspector of East Ham Corporation, for the testing of dispensing by chemists.

#### SCOTLAND

The Central Checking Bureau have issued a statement showing, in respect of the first quarter of the years 1915 to 1923, the number of forms allowed, the value, and the average price, in the whole of Scotland (burghs and counties).

	Burghs			Counties,			
Year	No. of forms	Value	Av. price per form	No. of forms	Value	Av. price per form	
1915 1916 1917 1918 1919 1920 1921	481,546 350,823 351,476 305,491 388,602 376,368 391,363	\$ s. d. 18,806 10 0 15,156 9 4½ 13,754 19 2½ 13,879 8 1½ 19,095 14 2 25,446 3 9 22,804 11 0½	9.37 10.36 9.39 10.90 11.79 16.22	249,133 180,750 185,260 165,546 218,302 208,528 226,157	£ s. d. 10,170 10 5 8,277 0 10½ 7,645 17 6½ 8,111 11 0 11,573 12 4 14,840 16 1 13,703 3 1		
1922 1923	479,889 402,691	25,649 2 31 21,928 0 111	12.82	279,820 232,429	15,408 15 81 12,977 7 101	13.21	

French cocaine trade.—The corrected figures for France's foreign trade in cocaine (C. & D., June 2, p. 780) are as follows:— Crude cocaine: Imports, 1921, 881 kilos; 1922, 1,013 kilos; exports, 1921 and 1922, nil. Pure cocaine and cocaine salts: Imports, 1921, 80 kilos; 1922, 226 kilos; exports, 1921, 738 kilos; 1922, 216 kilos.

#### Pharmaceutical Society

#### of Great Britain

#### Branch Meetings

Aberdeen.—A meeting of members and student-associates of the branch was held on June 6, Mr. Wm. F. Hay (chairman) presiding. Mr. W. Watt, secretary, read a communication on Future Pharmaceutical Policy and its Local Application. The paper included two salient points: (1) Suggestion to the Society to confer with the Medical Council on the desirability of ceasing to prescribe galenical specialities which will have their counterparts in the new Pharmaceutical Codex of 1923; (2) with the Benevolent Fund money as a nucleus collect. (2) with the Benevolent Fund money as a nucleus, collect contributions from every chemist on the Register to form an adequate superannuation fund for all British registered chemists and druggists. The meeting considered the report of the Council's Education Committee on Practical Training of Students and Apprentices. After a discussion it was moved by Mr. Reith, Cults, and seconded by Mr. Watt, Aberdeen, that a resolution be framed by the Executive Committee and submitted by the delegates to the Conference. Mr. W. F. Hay, Aberdeen, chairman, and Provost W. S. Taylor, Inverurie, vice-chairman, were unanimously elected delegates to the British Pharmaceutical Conference in London in July. Mr. Charles Simpson addressed the meeting on the past year's work of the North British Branch Executive. The meeting unanimously expressed their full confidence in Mr. Simpson as a local representative on the Executive. There was submitted a letter from the secretary of the Aberdeen Pharmaceutical Association, suggesting an annual contribution towards the funds of the Gordon's annual contribution towards the funds of the Gordon's College School of Pharmacy in Aberdeen. Mr. James Farquhar, President of the Association, and Mr. E. G. Bryant explained the situation, and it was remitted to the Executive Committee to deal with it. The members adjourned to the Grand Hotel, where high tea was served, followed by a pleasant social gathering. The general feeling was expressed that this branch of the Society promised to be the best medium yet devised for linking up town and country members with their mutual interests in the area. mutual interests in the area.

mutual interests in the area.

Barrow.—A meeting of members of the Pharmaceutical Society resident in Barrow and district was held on June 7, at which the formation of a branch of the Society was agreed to. Mr. S. Scott presided, and Mr. F. Pilkington Sargeant (Vice-President of the Pharmaceutical Society) explained at length the scheme of organisation. The following office-bearers were appointed:—Chairman, Mr. S. Scott; Vice-Chairman, Mr. W. B. Swann; Secretary and Treasurer, Mr. F. J. Sansom Sansom.

Sansom.

Perth.—The first meeting of the Dundee, East and Central Scottish Branch of the Pharmaceutical Society was held in Perth on June 6 conjointly with the annual meeting of the Perthshire Pharmacists' Association. There was a representative gathering. Mr. J. J. Forbes, Vice-President of the local branch, occupied the chair in the unavoidable absence of Mr. J. R. Milne, Dundee, the President. Mr. Forbes briefly outlined the principles of the local branch scheme, what led up to its adoption, and the benefits likely to arise from its operation in relation to its duties to professional subjects and scientific branches, Acts of Parliament, Regulation of Food and Drugs Act, etc. Much useful work could be done by local branches in conjunction with the associations.

PHARMACISTS IN POOR-LAW APPOINTMENTS.—It is understood that the Ministry of Health has under consideration a new order, which, unless sufficient opposition is offered to it, will further undermine the position of pharmacists in the poor-law service.

THE Milan "Bollettino Chimico-Farmaceutico" (May 15) reproduces the "Cure for Hiccough" mentioned in the C. & D., April 14, p. 507, to which it appends the remark: "From which it is evident that even in Perfide Albion there is no dearth of practical jokers."

#### Meeting of Belfast Chemists

A MEETING of pharmaceutical chemists was held in Belfast A MEETING of pharmaceutical chemists was held in Belfast on June 6 to discuss the registered druggists' proposals at present being considered by the Pharmaceutical Council and to take steps to protect the interests of licentiates from encreachment. Mr. James Guiler occupied the chair and Mr. Percy R. W. Shinner acted as secretary. Mr. Shinner described the proposals that had been put forward in connection with the Registered Druggist Committee of the Pharmaceutical Council and read the four points that were the basis of the discussion originally. The Council was not satisfied with those recommendations and sent them back to the Committee. The next step was and sent them back to the Committee. The next step was the presentation of two schemes which appeared in the trade Press. The chairman gave particulars of the Pharmaceutical Society since its establishment in Dublin forty-eight years ago, incidentally mentioning that he had been forty-eight years in business. They had with them that night two of those who qualified at that time, Mr. James Tate and Mr. W. C. Dobbin. The original idea was to have only pharmaceutical chemists. The druggists, however, increased in the North of Ireland and the amending Act of 1890 had to be passed to give them some sort of status, but no consideration should be given to those who entered after that year. They went into it knowing what they had to do, and if they did not do it it was not the fault of the Pharmaceutical Society of It was not the fault of the Pharmaceutical Society of Ireland. It was high time they put a stop to these schemes that were going on in connection with the Pharmaceutical Society. The Committee that was appointed was one-sided, and he would like to know why Mr. Watson dropped out after the first meeting. Mr. J. Adams said he was strongly opposed to registered druggists obtaining the qualification by any backdoor method. Let them pass the examination. Messrs. Camlin, Let them pass the examination. Messrs. Camlin, McKinstry, Scott and others having spoken, Mr. Lenaghan believed the scheme was all camouflage. There was some other scheme behind the matter and the scheme believed the matter and the matter and the matter and the scheme believed the matter and the matter and the scheme believed the matter and the scheme believed the matter and the scheme believed the scheme other scheme behind the matter, and he thought it was because they wanted to divide the Pharmaceutical Society into two and have one Society for the North and another for the South. Mr. McKnight said the claim of the registered druggists dated back a quarter of a century. Mr. Samuel Gibson's vigorous efforts failed on that occasion, but it was still a dream of the Chemists' and Druggists' Society. It was revived in 1920, when the North Irish Pharmacists' Association, after receiving a communication from the Chemists' and Druggists' Society, held a meeting on the subject. Watching the trend of events at the Council meeting lately, he thought Mr. Storey and his friends had mesmerised the Council, and it was time the licentiates spoke out again and saw their interests were represented. The matter had gone further now than ever before, but they had still to deal with the licentiates. The Pharmaceutical Council was making itself ridiculous in the eyes of the pharmaceutical world. The chairman said it was not necessary to divide the Pharmaceutical Society of Ireland, and the proof was that they had had two prosecutions in Belfast recently. It would not be to the advantage of the country if the Registered Druggists examination were abolished. Mr. McKnight moved that

This meeting of pharmaceutical licentiates deplore and condemn the proposals whereby registered druggists are to be admitted to the pharmaceutical licence qualification on pursuing a modified examination and on payment of a bribe in the form of an inflicted examination fee, whereas it has always been open to the registered druggists to obtain the licence qualification upon the same terms and conditions as the pharmaceutical auditors, and whereas the present status of registered druggists is of their own seeking, and their grievances, if any, are due entirely to their own slackness and lack of enterprise, we pharmaceutical licentiates, who have toiled and studied to fit ourselves for the position we occupy and to enable us to pass the licence examination, do emphatically protest against the scheme to admit to our roll or ranks anyone who is not prepared to submit themselves to the present approved curriculum as we did. Nor will we consent to sell our own qualification to any such individual for any consideration whatever. Furthermore, we oppose the proposal in its entirety, first, because it is unfair to all present licentiates, more particularly to a section of us, once

registered druggists themselves, and who, instead of remaining so and then joining in the agitation for a backdoor entrance to the licence, toiled and laboured to achieve that qualification fairly and squarely; secondly, because it is against the best interests of public safety to place the compounding of prescriptions in the hands of those who have had no adequate training in this science. We further call upon every pharmacist member of the Pharmaeeutical Council to discharge his obligations to the licentiates faithfully and unfalteringly and to steadfastly refuse to have the present regulations governing the entrance to the licence qualification tampered with one way or another for anyone under any conditions whatever. Also, we call upon every licentiate of the Pharmaccutical Society of Ireland to speak against this proposal in no uncertain voice and to vote against the registered druggists' proposals, and in this way secure the return of a representative who will not suffer the licentiates' interests to be betrayed. Finally, we resolve that a copy of this resolution be sent to every member of the Pharmaceutical Council and the Registrar of the Irish Pharmaceutical Council.

Mr. J. McDowell seconded the resolution, which was supported by Mr. Adams. The resolution was passed unanimously. Mr. James Tate moved:—

That we condenn any suggested proposal to divide the Pharmaceutical Society of Ireland into two separate societies by creating a North Irish Society, as such separate societies would be detrimental to the interests of Irish pharmacists, tending to create discord and probable non-acceptance of diplomas in the respective areas, as well as in the Colonics, where the Irish pharmaceutical qualifications have hitherto been accepted.

Mr. Tate said that as no notice had been taken in the division of Ireland of the Pharmaceutical Society of Ireland it had been taken for granted they should carry or as one Society. It would be very detrimental to the interests of the community to wipe out the registered druggists, and he did not see how it could be done. Mr. H. Todd seconded the resolution Mr. C. Gibson said the division of the Society would have to come. If so, they should get into communication with the Society in London. The chairman: Why should there be division? Mr. Gibson: There are two separate States. If division had to come, why not get into touch with London? chairman : It might be from the frying-pan into the fire. If we got into touch with them we might have a lot of English pharmaceutical chemists coming over here. The chairman observed they were overcrowded in the North. There were many licentiates coming up from the South and West and there were no vacancies for them. Division would never come unless someone sought it, and he was afraid there was an undercurrent in that direction. Mr. W. C. Dobbin was averse to the division of the Society, and it would be premature to consider division until it was forced upon them. The resolution was passed unanimously. On the motion of Mr. Camlin, seconded by Mr. Lenaghan, a vote of thanks was accorded Mr. Shinner for his services. Mr. Shinner, in reply, said so far as his own section of the licentiates were concerned there was a conspicuous lack of interest in the matter. He suggested the Association of a local chemists' Defence or Protection Association or a Watch Committee, and if they agreed they could drop him a postcard and he would summon a further meeting. A vote of thanks was also accorded the chairman, on the motion of Mr. Shinner, seconded by Mr. Dobbin.

#### Retail Pharmacists' Union

Plymouth.—The first annual meeting of the Plymouth branch was held recently. There was a good attendance of members, and Mr. B. Shelton, who was thanked for his past services, was re-elected Chairman, Mr. R. S. Gollop was appointed Secretary, and Mr. F. E. Turney Treasurer. The Committee is as follows: Messrs. Attewell, Collins, Barge, Day, Foster, Hoblyn, Kirkness, Lewis, Marrow, Park, Ralph, Ratcliffe, Spear, Turney, Wallis, Woodrow. It was reported that branches in the South-Western Counties would be grouped. The branch decided to approach the local Grocers' Association to confer on the proposal to form a Grocers' Proprietary Articles Trade Association.

#### Trade-marks Applied for

The figures in garentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1923, p. 289.

(From "The Trade-marks Journal," May 23, 1923.)

"STANDARD OIL COMPANY," with device formed of letter "S" and letters "N.J." ("S" disclaimed); for chemicals (1 and 2), medicinal chemicals (3), goods (4 and 47), perfumery, etc. (48) and for goods (50). Letter "S" in circular device form ("S" disclaimed); for chemicals (1) goods (4, 47 and 50). By Statadard Oil Co., Contable Healt Resume Hudger County New Jorses Constable Hook, Bayonne, Hudson County, New Jersey, U.S.A. 434,469/470/471/472/473/474; 432,766/767; 434,475; 435,571/572. (Associated.)

\*Munsie\*\*; for dyes (1) and (4). By Wm. Edge & Sons, Ltd., 50 Raphael Street, Bolton, Lancs. 436,086/087.

"PROMATICA"; device representing statue of man,

"Promatica"; device representing statue of man, with signature; for veterinary medicines (2) and for medicines (3). By C. W. Hyland, 300 Commissioner Street, Johannesburg, S.A. 430,942/943/944/945. (Associated.)
"EQUINIOD"; for chemicals (2). By John Richardson and Co. (Leicester), Ltd., 10 Friar Lanc, Leicester, 435,397.
"LARVEX," with cross device on circle; for an insecticide (2). By Process Chemicals Inc., 250 West 57th Street, New York, U.S.A. 432,113.
"GUAPHO"; for chemicals (2). By Anglo-Continental Guano Works, Ltd., Dock House, Billiter Street, London, E.C.3. 436,015.

436,015.

436,015.

"Senga Slumbar Kream" ("Slumbar Kream" disclaimed); for a medicinal cream for the external treatment of insomnia (3). My Mary A. Slater, The Holmses, Sharples, Bolton, Lancs. 432,140.

"THAMAR," with bar of music device; for goods (3) and for all goods (48). By Beatrice C. A. Tozer, 39 Beauchamp Place, London, S.W.3. 433,293/294. (Associated.)

"Nor.bell" for medicinal chemicals (3). By W. Taggart, 787 Crumlin Road, Ballysillan, Belfast. 433,3897.

"Nasmint"; for medicinal chemicals (3). By Naamlooze Vennootschap A. Wulfing and Co.'s Chemische Producten, 30 Ruyschstraat, Amsterdam, Holland. 433,953. (Associated.)

(Associated.)

"(Associated.)
"(RAHINOL" for medicinal chemicals (3). By R. Lipkin, 79
"Durning Road, Livorpool. 434,812.
"FUMOID"; for medicinal chemicals (3). By G. W.
Worsey, 51 Sutton Street, Aston Manor, Birmingham.

Wolsey, 434,843.

"PROBACE" for medicated articles (3). By Madame Dumas, Ltd., 62 Queen's Road, Dalston, London, E.8. 435,165.

"PERVAL"; for medicinal chemicals (3). By H. Westerberg

and Co., Kungsgatan 98, Gothenburg, Sweden. 435,259.
"Cristolax" brand on label device; for medicinal chemicals (3). "Maltol"; for food substances (42).
By A. Wander, Ltd., 45 Cowcross Street, London, E.C.1.
435,407 (Associated); 434,553.
"Atto-word": for a medicated paste for use in dentistry

400,401 (Associated); 404,505.

"AUTO-MORT"; for a medicated paste for use in dentistry (3). By B. B. White, 8 Poland Street, Oxford Street, London, W.1. 435,507.

"PULVELLS"; for medicinal chemicals (3). By Warrick Bros., Ltd., 6 Nile Street, City Road, London, N.1. 435,623. (Associated.)

435.623. (Associated.)

"Tut" on pyramid-shaped device including camel; for proprictary medicines (3). By R. Stobbs, Myrtle Mount, Elm Grove, West Hartlepool. 435,813.

"Vironis"; for medicated wine (3). By Cassie and Co., Ltd., 103, Newgate Street, London, E.Cl. 436,125.

"Fruitol"; for food substances (42). By W. B. Cartwright, Ltd., Mount Vernon Road, Larkfield, Rawdon, near Leeds. 434,508.

"A B" on circular device; for food substances (42). By Alfred Bishop, Ltd., 48 Spelman Street, London, E.I. 435,229. (Associated.)

"Robot"; for goods (47) and for perfumery, etc. (48). By Lever Bros., Ltd., Port Sunlight, Cheshire. 434,990; 435,128. (Associated.)

Pierrot's Head device; for toilet powder (48). By Tokalon,

435,128. (Associated.)
PIERROT'S HEAD device; for toilet powder (48). By 1 Ltd. 212 Great Portland Street, London, W.1. 431,402.
"Black Watch"; for perfumery, etc. (48). By Breidenbach
and Co., 48, Greek Street, Soho Square, London, W.1.

"Epasmic Khustori Herb Tollet Soap" on floral label ("Khustori" disclaimed); for toilet soap (48). By the Erasmic Co., Ltd., Bank Quay, Warrington. 433,244.

(Associated.)
ov' ME''; for perfumery, etc. (48). By The Melba
Mfg. Co., 4237 Indiana Avenue, Chicago, Ill., U.S.A.
434,900.

"Melvet," with fantastic device of lady examining her hands; for a skin preparation (48). By P. C. Luty, 453 Victoria Road, Glasgow. 434,231. "Lebosi" for tooth brushes (50). By J. B. Butler, 263 Hammersmith Road, London, W.6. 435,027.

(From "The Trade-marks Journal," May 30, 1923.)

"A 1," pierced by arrow on label device; for soaps (2), and medicated soap (3). By Isdale & McCallum, Ltd., Caledonia Soap Works, Rowan Street, Paisley, Scotland. 431,203/204. (Associated.)
"SNUFFIT"; for a vermin exterminator (2), "PURIC";

land. 431,203/204. (Associated.)

"SNUFFIT"; for a vermin exterminator (2). "PURIC"; for toilet preparations (48). By Thos. Christy & Co., 4/12 Old Swan Lane, London, E.C.4. 434,309/310.

"Tohno Poultry Tonic," surrounding device of bird ("Tohno" disclaimed); for a tonic medicine for poultry (2). By P. & L. Robinson, Diamond Works, Buntsford Hill, Bromsgrove. 434,439.

"Embrocon"; for an embrocation (3). By Taylors' Drug Co., Ltd., 347 Burley Hill, Leeds. 435,544.

"Granny Mitchell, Ltd.," with picture of head of old lady; for ointment (3). By Granny Mitchell, Ltd., The Lindens, Telford Road, Farnham, Surrey. 433,348.

"Keene's One-Night Corn Cure Makes Your Feet Glad," on device of sole of foot, with laughing face and five faces for toes ("Keene's" and "One Night" disclaimed); for a cure for corns, etc. (3). By Keene's One-Night Cures, Ltd., 52 Gray's Inn Road, London, W.C.1. 433,655.

"Curoma"; for a mcdicine for colds (3). "Clarasthma"; for an asthma medicine (3). By R. Denholm, 1, Salisbury Square, Edinburgh. 434,519/520.

"Cinet"; for medicinal chemicals (3), for food substances (42), and for perfumery, etc. (48). By Warrick Bros, Ltd., 6 Nile Street, City Road, London, N.I. 435,201/202/203. (Associated.)

"Minimax"; for medicinal chemicals (3), and for surgical instruments, etc. (11). By Minimax, Ltd., Staines Road, Bedfont, Middlesex. 435,354/355. (Associated.)

"Heliobrom"; for medicinal chemicals (3). By T. Teichgraeber Aktiengesellschaft, 26 Camphausenstrasse, Berlin. 435,394.

"Systoxem"; for medicines (3). "Cardex"; for pre-

Berlin. 435,394. "Systoxem."; for medicines (3).

"CARDEX "; parations for heart treatment (3). By H. P. Clearwater, 147 Water Street, Hallowell, Maine, U.S.A. 436,190. "Soo"; for medicinal chemicals (3). By John Morgan

Richards & Sons, Ltd., 46 Holborn Viaduct, London, E.C.1. 436,436.

"Cow & Gate," with picture of same; for infant and invalid foods, etc. (42). By The West Surrey Central Dairy Co., Ltd., Guildford, Surrey. 424,920. (Associated.)

"THORMEEL

(Associated.)
HORMEEL '; for infants' and invalids' food (42). By C.
Rollin, 213 Gilesgate, Durham. 434,826.
EN-SEK''; for all goods (47). By The United Alkali
Co., Ltd., Cunard Buildings, Pier Head, Liverpool. " TEN-SEK

"Ten-sek"; for all goods (47). By The United Alkali Co., Ltd., Cunard Buildings, Pier Head, Liverpool. 435,366.

"Forman's Tooth Paste," etc., on label ("Forhan's" disclaimed); for tooth paste (48). By Forhan's. Ltd., 489, St. Paul Street We'st, Montreal, Canada. 430,393.

"Les Fascinations de Tokalon" and "Petalia"; for face powder (48). By Tokalon, Ltd., 212 Great Portland Street, London, W.1. B. 435,326/940.

"Cardine"; for perfumed soap (48). By John Cawardine & Son, Ltd., 8 Sheene Road, Bedminster, Bristol. 434,560. (Associated.)

"Puroso"; for perfumery, etc. (48). By J. Kay & Sons, Ltd., Kenyon Street, Ramsbottom, Lancs, 435,424. (Associated.)

Ltd., Kenyon Street,
(Associated.)

"Marayon"; for perfumery, etc. (48). By Selina M.
Meredith, 105 Bolingbroke Grove, Wandsworth Common. S.W.11. 455,702.

"New Pal."; for perfumery, etc. (48). By The British Soap Co., Ltd., 29 Great St. Helen's, London, E.C.3. 435,856. (Associated.) "SEMAMCO"; for surgice

EMAMCO": for surgical instruments, etc. (11). By C. Macintosh & Co., Ltd., 2 Cambridge Street, Manchester.

"New Broom"; for goods (47), perfumery, etc. (48), and for polishes, etc. (50). By C. H. Parsons & Brother, Ltd., 9 Whitehall Road, Leeds. 434,036/225/226. (Associated,)

(From "The Trade-marks Journal," June 6, 1923.)

"ROBBIALAC"; for chemicals (1). By Jenson & Nicholson, Ltd., Wharton Road, Stratford, Essex. 436,230. (Asso-"LYSEX";

for a veterinary medicine (2). By Spratt's Ltd., 24 Fenchurch Street, London, E.C.3. Patent. 434,819.

#### Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesaie dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

#### 42, Cannon Street, E.C.4, June 14.

Business in the Mincing Lane produce markets continues on the quiet side, the commercial position being dominated by the Reparations question and the new low record of the German mark, which touched 440,000-450,000 to the pound sterling on Wednesday. On the other hand, it may be recorded that British export trade, in spite of the demoralised rates of exchange, continues to make steady progress, the Board of Trade returns showing that British exports during May reached the highest total this year, being £71,555,000, an increase of £8,680,000 over April; the May figures exceed anything recorded since January 1921. Chemicals and allied goods increased by £500,000. There is little outstanding in the way of changes in crude drugs. Cascara sagrada is very firm and talked higher; short buchu has been in more demand, and a slight advance is now asked. Aconite root of all descriptions is now very scarce. East Indian tamarinds have been in fair demand to arrive. Menthol is quiet, but the principal spot sellers ask an advance on last week's rates. Cassia oil is much dearer on spot with a continued absence of c.i.f. offers. It is reported that the exports of African cannabis indica have been prohibited, and prices have advanced. Among pharmaceutical chemicals, bromides are again cheaper, likewise carbolic-acid crystals. Hypophosphites have been reduced about 4d. per lb., and liq. bismuthi by 2d. per lb. Calcium lactate, B.P., tannic acid are also cheaper. The industrial chemicals group shows easier prices for some of the potassium salts, including carbonate caustic and vellow prussiate.

Higher	Firmer	Easier	Lower
Balsam Tolu Camabis indica (African) Cassia oil Citronella oil Linseed oil	Balsam peru Buchu Formaldehyde Mercury Otto of Rose (Bulg.) (c.l.f.) Petitgrain oil (Parag.) Potash pruss (red) Sassafras oil Steadier Creosote oil Pitch	Bergmot oil Betanaphthol Bromides Cloves (Zan.) Coconut (desicc.) Cottonseed oil Gerauium oil Potash Carbonate Potash pruss. (yellow) Rape oil Rubter Saffron Shellac	Aci I oil Carbolic acid Calcium lactate Hypophosphites Liq. bismuthi Sodium prussiate Sugar Tannic acid

#### Cablegrams

New York, June 13.—Business is quiet. Menthol has advanced 50c. per lb. to \$8.50, and hydrastis (golden seal) is also dearer at \$3.35. Balsam tolu has advanced to \$1.15, and belladonna leaves to 17c. per lb. Mexican sarsaparilla is lower at 30c. per lb.

BERGEN, June 13.—The total catch of cod for the whole of Norway since the opening of the season amounts to 43,200,000, against 47,400,000 for the corresponding week of last year, and the yield of cod-liver oil is 81,012 hecto-litres against 78,259 hectolitres for the same period of 1922. Price of finest new medicinal steam-refined oil of 1923 erop is 105s. per barrel c.i.f. London, and the market is quiet.

#### Exchange Rates on London

The following is a list of Continental and other exchange rates against the pound sterling on Loondon prevailing at 4 p.m. on Wednesday :-

Place	Method of Quoting	Par of Ex- change	June 6	June 13
Amsterdam Berlin Brussols Calcutta Cnstntnple* Greece Italy Lisbon Madrid Montreal New York Paris Singapore Switzerland Vienna	Per rup. Pst. to £ Dr. to £ Lire to £ Escu. Pts. to £ \$ to £ \$ to £ Fr. to £ Per dol. Fr. to £ Kr. to £	12.107 20.43 25.22½ 24d. 110 25.22½ 25.22½ 4.8623 25.22½ 25.22½ 25.22½ 24.002	11.79\[ -11.79\[ \] 350,000—355,000 82.68—82.73 16\[ \] 16\[ \] 16\[ \] 16\[ \] 16\[ \] 16\[ \] 16\[ \] 16\[ \] 16\[ \] 16\[ \] 16\[ \] 17\[ \] 18\[ \] 10\[ \	
Yokohama	Per yen	24.58d.	25 <u>t</u> d.—25 <del>f</del> ed.	25\fd.—25\d.

\* Nomiual.

#### Crude Drugs, etc.

ACONITE ROOT is very scarce on the spot at from 85s. to

95s. per cwt., according to origin.

AGAR AGAR is quiet at from 5s. 3d. to 5s. 6d. per lb. on the spot for No. 1 Kobe and 5s. for No. 2.

Annatro seed.—Sales of new crop Java for July-September shipment are reported at 5d. per lb. c.i.f. New

Areca.—The spot values are from 40s. to 45s. per cwt., and to arrive 34s. to 35s. c.i.f. is quoted.

BALSAM PERU is firmer on the spot at 7s. 6d. per lb.
BELLADONNA ROOT is quoted at from 40s. to 45s. per
cwt. as to test, the lower price being for .045. Belladonna leaves are in fair inquiry, and offered at 6½d. per

lb. for good green testing .045.

Buchu.—A very fair business has taken place since the last auction at firmer prices, fair short broad having been sold at up to 3s, per lb., with fair ovals at 2s, 9d. For best quality short broad 3s, 2d, per lb. is now asked.

CALUMBA.—The London stock was reduced by 167 bags last month to 10,539 bags, which compares with 17,596 bags at the corresponding date of last year. Natural sorts is quoted in quantity at 7s. 6d. per cwt.

sorts is quoted in quantity at 7s. 6d. per cwt.

CAMPHOR (REFINED).—Japanese remains dull of sale at 3s. 6d. per lb. for slabs on the spot or for June-July shipment. Crude on the spot is 3s. 1d., and June-July shipment is 2s. 10d. c.i.f. The landings in London during May amounted to 555 and the deliveries to 821, leaving a stock of 2,721 packages against 1,728 packages at the corresponding date of 1922.

CANNABIS INDICA.—Information is to hand that the Zanzibar Government has prohibited all exports. In consequence there has been a very good demand for spot

Zanzibar Government has prohibited all exports. Inconsequence there has been a very good demand for spot supplies, especially from the Continent. The price has rapidly advanced, and for good green 2s. 6d. per lb. is wanted. Several importers refuse to sell anything, as they anticipate higher prices in the near future. It is difficult to anticipate future events, but buyers will recollect that Bombay tops, which are now selling at 17s. per lb., were before the duty was imposed realising from 3d. to 3½d. per lb. Buyers will therefore be well advised to closely watch future developments, as in the event of home stocks being diminished a rapid advance event of home stocks being diminished a rapid advance\_

in price is not unlikely.

CASCARA SAGRADA is firm with a limited quantity of
CASCARA SAGRADA is firm with a limited quantity of CASCARA SAGRADA IS firm with a limited quantity of three-year-old bark offering at 77s. 6d. per cwt. The landings in London during May amounted to one ton and the deliveries to 14 tons, leaving a stock of 13 tons, against 34 tons in May 1922.

CHAMOMILES.—There are practically none on the spot, and the nominal price is about 615s, per cwt.

COD-LIVER OIL.—Our Bergen correspondent writes on

June 6 that the codfishing at Finmarken continued last week with only slightly better results than that of the preceding week. The total output of all the Norwegian

codfisheries, compared with that of the previous years, is as follows :-

	Catch of	steam refined	Livers for
	cod	cod-iiver oii	erude oil
June 2, 1923	46,300,000	79,145 (Hect.)	16,715 (Hect.)
June 3, 1922	46,800,000	77.769	14,712 ,,
June 4, 1921	38, 100,000	56,215 ,,	12,656
June 5, 1920	35,300,000	53,000 ,,	6 100 "
June 7, 1919	28,600,000	34 500	4'900 ''
0 00000 1,	,000,000	J-1, JUU ,,	7,500 ,,

The market is quiet. The price of last week (in Norwegian kroner) cannot now be obtained, but, owing to the progress in the rate of exchange, the quotation in ster-ling is about the same, 107s. to 110s. per barrel c.i.f. London for finest non-freezing steam-refined quality. The London market is steady at about from 107s. 6d. to 110s. per barrel ex wharf for finest non-congealing Lofoten medicinal oil.

DRAGON'S BLOOD.—The landings in London during May

were 3 cases and the deliveries 26 cases, leaving a stock of 73, against 144 at the corresponding date of 1922.

Hydrastis is steady at about 16s. per lb. on the spot, and by no means plentiful. The U.S. price has further advanced.

IPECACUANHA.—Sales of Matto Grosso have been made at 7s. 6d. per lb. Minas is 7s. 3d. and East Indian 7s. Cartagena is nominal. The landings in London during May amounted to 28 Matto Grosso and the deliveries to 48 bales; there were no arrivals or deliveries of other descriptions. The stock at the end of May was 138 Matto Grosso against 235, 41 Minas against 48, 7 East Indian against 5, and East Indian 4 against 35 at the corresponding date of 1922.

Magnesium.—There is a fair demand for metal, supplies being moderate and the market steady, sellers asking about 4s. 3d. to 4s. 9d. per lb. as to quantity.

Ментног is quiet, with small sales of Kobayashi-Suzuki

at 35s. per lb. on the spot. The exports from Japan during March amounted to 205 piculs, valued at yen 357,376.

Mercury.—Current quotations on Wednesday were called £10 5s. to £10 7s. 6d. per bottle, but there were plenty of buyers at the lower figure, which in fact was refused in one or two quarters for spot lots, and at the close £10 10s. to £10 12s. 6d. is quoted. There are no large stocks held in this market, but there is sufficient to go round so long as the demand is confined to small lots, although little metal has been coming in just lately. There is not much offering forward, and import costs from the Continent landed on this side are equivalent to fully £10 15s. per bottle. Inquiries are still coming forward from the Far East, but these do not look like maturing into any important transactions. QUASSIA CHIFS are in fair demand, the spot value being

about 32s. 6d. per cwt.

RUBBER is easier, and since our last report has declined 5d. per lb The reduction is due to an absence of buying both by home and foreign manufacturers, with the result that sellers have been more prominent than buyers. At this time of the year prices generally sag, and a further decline would not be unexpected. The shipments from the East are lower than anticipated, and dealers express the opinion that during the next quarter there will still be a further reduction in exports from Singapore. Deliveries last week were fairly heavy, viz. 1,610 tons, but arrivals were large and totalled 1,329 tons, with a reduction of 281 tons in the stocks. The London stock now stands at 52,453 tons. Quotations (Wednesday, 5 p.m.):—No 1 standard crêpc and ribbed smoked sheet, spot and June, 1s. 24d.; July-September, 1s. 22d.; October-December, 1s. 3d.; January-March, 1s. 32d. Hard fire para is quiet at 1s. 24d. per lb.

SAFFRON.—Owing to lack of demand in Spain prices are a shade easier for Valentia. On the spot sales have been made at 130s. per lb. and 145s. respectively as to quality.

Senna.—The landings in London during May amounted to 13 bales and the deliveries to 267, leaving a stock of

2,074 bales, against 4,412 bales in May 1922.

SHELIAC.—The spot market is easier, with sales of the usual standard TN orange quality down to 280s. per cwt.; good to fine second orange is 300s. to 340s., superfine 380s., AC cakey 295s., and GAL 255s. The sales for delivery include. delivery include August at 260s. to 257s. 6d. and October

at 250s. to 247s. 6d. To arrive, TN for June-July ship-

ment is quoted at 250s. c.i.f.

TAMARINDS.—There has been quite a good business done recently in new crop for forward shipment. June-July and July-August shipment from Calcutta selling at 20s. to 22s. 6d. per cwt. c.i.f. for the usual good black. Dearer prices may be expected later on.

TURMERIC.—Madras finger is unchanged at 75s. per cwt. on the spot. Small arrivals have not affected the spot position. Cochin split bulbs are unchanged at 18s. to 20s.

Wax (VEGETABLE) is slow of sale at 75s. per cwt. on the spot and to arrive. The London stock at the end of May was 973 cases against 568, the deliveries during May being 65 cases.

#### Seeds, Spices, etc.

Anise.—An arrival of 1,649 bags has taken place per "Ispolcom" from Petrograd.

Arrowroot.—Fair manufacturing St. Vincent is quoted at 5½d. to 6¼d. per lb., and grocery 6¼d. to 7d.

CLOVES opened the week at easier rates, fair Zanzibar offering at 1s. 0½d. to 1s. 1d. per lb., and have since declined to 11d. to 1s. To arrive, March-May shipment is offered at 1s.  $0\frac{1}{2}$ d. and May-July shipment has been sold at 1s. to  $11\frac{7}{2}$ d. pr lb. c.i.f., closing with buyers at 1s. The receipts in Zanzibar for the period July, 1922, to May, 1923, amounted to 227,900 bales, against 61,250 for the corresponding period of 1921-2. The week's statistics of the London wharves show landings of 89 and deliveries of 599, leaving a stock of 17,090 bales (corrected figures) against 7,147 bales in May, 1922.

COCONUT (DESICCATED) has fluctuated somewhat, fine having been sold at from 44s. to 44s. 6d. per cwt., closing with sales at 42s, 6d., and medium has been sold at 45s. to 43s. on the spot. To arrive, May-June shipment has sold at 38s. 9d. to 39s. 3d., and June-July at 38s. 6d. to 39s. c.i.f.

GINGER.—Larger supplies of Jamaica have reached this market of late, but there is no substantial alteration in prices. Small Jamaica is 160s. to 170s., and bold 180s. to 190s. Cochin remains firm, washed rough selling at 80s., and wormy 75s. per cwt. Fine bold rough brownish Calicut is 80s., ordinary 75s., and wormy 67s. 6d. African on the spot is 62s. 6d.

NUTMEGS.—Singapore and Penang have been in more NUTMEGS.—Singapore and Penang have been in more inquiry, and some forward business has been done at about previous rates. Singapore 110's is 10½d., 80's 1s. 1½d., and 65's 1s. 7½d. per lb. on the spot.

Pepper is quiet, with fair black Singapore offering at 4½d. per lb., and July-September shipment at 4d. c.i.f. White Muntok is 6¼d. spot, and July-September shipment

6 d. c.i.f.

#### Essential Oils

Business is quiet, but the interest in most articles is well sustained. Cassia oil is steadily advancing, and very high prices are in view for the little that is on spot. Hong Kong still reports that there is none to be had. Ceylon citronella is improving. Paraguay petitgrain has at last experienced a genuine spot increase. Sassafras oil is dearer. Bourbon geranium is the turn easier both on the spot and forward. Bulgarian otto is dearer for new crop oil, but the spot market shows little signs of this up to the present. Eucalyptus oil is scarce on the spot, and there is every indication that next winter's prices will be higher than they have been for some time.

ANISE (STAR).—A lot of 50 cases of "Red Ship" on the spot has been sold at 1s. 9½d. per lb. For 5 cases 1s. 10d. is quoted, single cases 1s. 11d.

BERGAMOT is easier at from 11s. 3d. to 11s. 6d. for 37 to 38 l.a., and 11s. 9d. to 12s. for higher testing oil, c.i.f., to arrive. Spot is offered at about the same range.

Messina, June 9.—Bergamot oil has rarely been lower in price than orange oil as it is at present. Production this year is said to be on a large seale, and producers and holders are faced with the possibility of having large stocks on their hands when the new oil comes along.

Bois de Rose (Femelle) is rather weaker on the spot at about 10s. 3d. to 10s. 6d. per lb. as to quantity.

CAMPHOR. - Brown or white is quoted on the same level f 80s. per cwt. in drums; white in cases is 85s.

CASSIA on the spot is advancing steadily, and up to 11s. per lb. is reported paid for 80 to 85 c.a. Holders 11s. 3d., and the value is likely to advance further. Bids of 9s. 3d. have been cabled out, but there is no oil to be had at Hong-Kong.

CEDARWOOD.—American in drums is steady at 1s. 32d.

per lb., and for cases up to 1s. 5d. is quoted.

CINNAMON.—Ceylon leaf on the spot is steady at 41d. er oz., and 37d. c.i.f. to arrive.

CITRONELLA.—Ceylon is firmer on the spot at 3s. 7½d. to 3s. 9d. per lb., and for May shipment 3s. 3d. c.i.f. is quoted. Java is steady at 3s. 10½d. to 3s. 11d., according to seller. The c.i.f. price to arrive is 3s. 9½d.

Eucaliperus is very firm. For 75-80 per cent. oil 1s. 8d. per lb. is quoted, and for forward delivery moderate lots would be obtained at 1s.  $7\frac{1}{2}$ d. landed. There are drums of 70 to 75 offering at 1s.  $7\frac{1}{2}$ d., but cases appear to be difficult to find.

GERANIUM.—The demand for Bourbon is quieter, and prices are a shade easier at 29s. per lb. on the spot. prices are a shade easier at 29s. per 1b. on the spot. June shipment is offered at 28s. to 28s. 6d. c.i.f. The price at Marseilles is 200 fr., and still less from Rémion. Algerian has been selling on the spot and supplies are scarce. Offers are made from Paris at 205 fr. per kilo, c.i.f. (about 27s.). French geranium ou the spot is offered at 45s. per lb.

LEMON on the spot is quoted at from 2s. 10d. to 3s. per lb. upwards, according to seller. The c.i.f. price to

arrive is 2s. 9d. to 2s. 11d. Lemongrass.—Cochiu is steady from 2½d. to at

2 fd. per oz. on the spot.

Line.—West Indian distilled is obtainable in large drums at 3s. 7½d. per lb., and carboys at 3s. 9d. Handpressed is quiet and obtainable at 7s. 6d.; round lots

MINT.—Japanese dementholised Kobayashi-Suzuki is steady at 6s, 9d. per lb. on the spot or c.i.f. to arrive.

Orange.—Spot sales have been made of Sicilian sweet at 12s. per ib. The price now quoted in this quarter is 13s., and up to 13s. 6d. is wanted. The price quoted to arrive is unchanged at 13s. to 13s. 3d. c.i.f. For bitter, 10s. 6d. to 11s. c.i.f. is quoted. West Indian sweet ranges from 10s. to 11s. per lb., but one seller quotes 9s. 6d. in quantity while the present spot supplies last.

Messina, June 9.—Sweet orange oil has been produced in sufficient quantities to meet all normal demands. Holders have kept back offers owing to reports of "bear" sales and of speculation in a certain quarter. There is no great prospect of seeing a fall before the new crop oil comes along.

OTTO OF ROSE.—Recent events in Bulgaria have attracted attention to their possible effect on otto of rose. It is reported that during March and April 100 kilos. of one well-known brand changed hands at the street of the street between 2,000 to 2,300 French francs per kilo. The price now quoted for this brand is 2,800 fr., and by next August, when the bulk of the new crop will have come on the market, the price is expected to be 3,200 to 3,500 fr. There are cheaper lots offering, but doubt is expressed as to the quality. On the spot, prices are extremely variable, but good quality is obtainable at less than 25s. per oz. in quantity. Anatolian is obtainable at from 18s. to 19s.

PALMAROSA on the spot is unchanged at about 18s. 6d.

per lb.

PATCHOULI.—For usual Penang quality about 28s. per lb. on the spot is quoted.

PEPPERMINT.—There is no change to record, spot offering at 12s. 6d. to 12s. 9d. per lb. as to seller.

Petitgrain.—Paraguayan—is firmer on the spot, with business done at 6s. 10d. per lb.; 7s. is now wanted.

ROSMARY.—Spanish in large drums is steady at

1s. 8d. per lb.

SANDALWOOD.—West Indian (ol. amyris) is unchanged at 16s. per lb., and B.P. East Indian sells steadily at about 25s.

SASSAFRAS. - Genuine American natural is firmer on the spot at 5s. 6d. per lb.

#### Pharmaceutical Chemicals, etc.

The fine chemical markets seem to be nervous. Business once more, can only be recorded as poor and bordering on stagnation. It may be that buyers are holding off expecting a general weakening in prices owing to the conditions in Germany and the Continent. It would not be surprising if this materialised to some little extent. Offers from that quarter are now very irregular, and it seems possible to obtain supplies of some materials at extremely low prices. This is no doubt due to the cheapness of the mark, which on Tuesday touched 497,500 to the pound. Hypophosphites and liq. bismuthi are lower.

ACETANILIDE continues to be offered on spot from 1s. 60. to 1s. 7d. per lb., according to quantity, but there is no great demand.

AMIDOL is quoted at 8s. per lb., and Metol at 12s. 6d. by dealers.

AMIDOPYRIN keeps steady at about 14s. per lb., but sales

are only occasional. Aspirin.—The recognised holders of good brands are

offering from stocks at 3s. 1d. for cwt. lots, and asking 3s. 3d. for small quantities. At these rates the market is very steady.

Barbitone.—One or two spot offers are being made at the slightly cheaper rates of 20s. to 21s. per lb. There is

not much doing.

Benzoic acid on spot is nominal at 2s. 6d. to 2s. 9d. per lb.; most dealers are temporarily off the market.

BETANAPHTHOL (re-sublimed) is cheaper at about 1s. 10d. per lb. Benzaldehyde .03 is steady but quiet at 3s. per Benzonaphthol is unchanged at the nominal figure of 5s. per lb.

Boric Acid.-Prices are unchanged from dealers and

British makers.

Bromides.—Further reductions in prices have taken place since last week, and just at the moment the spot market seems flooded with offers, some of which are at very cheap prices for good quantities. These are based on Continental quotations. Ammonium from 7<sup>3</sup>/<sub>4</sub>d. to 8<sup>1</sup>/<sub>2</sub>d. per lb.; potassium, crystals and granular, 7d. to 8d. per lb.; sodium, crystals and granular, 7<sup>1</sup>/<sub>2</sub>d. to 8d. per lb.

CAFFEINE.—The pure alkaloid is quoted at 10s. 9d. per

lb. by dealers.
CALCIUM LACTATE is cheaper, with offers from 1s. 8d. to 1s. 10d. per lb. Business is slow.

CHLORAL HYDRATE.—The price for spot parcels is well maintained from 4s. to 4s. 3d. per lb., according to quantity. Some little business has been done.

CITRIC ACID B.P.—The spot position shows no change from that recorded last week. The price is now well in the region of 1s. 8½d. to 1s. 9d. per lb., less 5 per cent., and there seems to have been a fair inquiry on the market. The Italian shipment market is reported unchanged and steady.

CREOSOTE B.P.—Offers on spot continue at about 2s. 2d. per lb., but there is very little business about.

CREOSOTE CARBONATE seems a little steadier and recovering to the old figure of 9s. per lb.

GUAIACOL CARBONATE remains dull, with the quoted rate on spot unchanged at 8s. 3d. per lb. Liquid is 9s. 6d., and crystals 10s, per lb.

HEXAMINE is now a good market, with holders showing no willingness to shade their quoted rates of 4s. to 4s. 3d. per lb., according to quantity.

HYDROQUINONE has been in fair demand, with the spot

price steady at 3s. 6d. to 3s. 9d. per lb.

HYPOPHOSPHITES.—Owing to "outside" competition, makers contemplate reducing their prices probably about 4d, per lb., which will make the list price of calcium 4s. 1d., potassium 4s. 7d., iron 7s. 7d., and magnesium 8s. 6d. per lb., with the usual reductions for 7-lb. and 28-lb. lots.

Liq. bismuthi is 2d. per lb. cheaper from makers, whose list price in Wrs. is 1s. 0½d. per lb., with the usual reduction for 12 Wrs.

METHYL SALICYLATE is offering on spot by dealers 2s. 6d. in carboys, 2s. 8d. in bottles, and 2s. 4d. per lb. in tins, and at these levels the market seems firm.

METHYL SULPHONAL has shown little activity. Dealers prices are in the region of 15s. per lb.

MILK-SUGAR .- Dealers with spot stocks are quoting at

about 90s. to 95s. per cwt. for cwt. lots.

Paraformaldehyde.—For large quantities 3s. 6d. might be accepted, but 3s. 9d. per lb. is usually asked for small lots.

PARALDEHYDE is steady with a fair business about. The spot price is from 1s. 5d. to 1s. 7d. as to quantity.

Phenacetrn.—On spot some large parcels might be booked up at about 6s. 3d. per lb., but most business for smaller quantities is from 6s. 6d. to 6s. 9d. per lb.

PHENAZONE is a good market, and it is difficult to find any spot offers below 7s. 6d.; some are up to 7s. 9d.

to 8s. per lb.

PHENOLPHTHALEIN keeps up to its recent high rates, and current offers are returned at 6s. 3d. to 6s. 6d. per lb. Some of the lower prices apply to inferior quality.

Potassium Permanganate B.P.—Spot offers of good parcels are at 10½d. to 11d. for small quantities. Good

business continues.

RESORCIN holds well at the unchanged rates of 5s. 6d. to 6s. per lb.

SALICYLIC ACID.—This is a healthy market, with dealers offering at from 2s. 2d. to 2s. 4d. per lb., according to quantity for finest B.P. crystals or powder.

SALOL keeps steady and has met with some little business at about 2s. 8d. to 2s. 9d. per lb.

Sodium benzoate is firm in consequence of the position on the Continent. Dealers here are asking in the region of 2s. 6d. to 2s. 7d. per lb.

SODIUM DIETHYLBARBITURATE is firm on spot, with little

mentioned below 18s. per 1b.

SODIUM SALICYLATE.—Spot offers are as follows:—B.P. powder, 2s. 5d. to 2s. 7d.; crystals, 2s. 8d. to 2s. 10d.; phys. pure flake, 2s. 10d. to 3s. per lb. There has been fair business done and prices are being steadily maintained.

SULPHONAL.—Spot offers for quantities are at 14s. 6d.

and smaller lots 15s. per lb.; nothing doing.

TANNIC ACID.—Leviss is about steady on spot, with a fair volume of trade passing at about 3s. 2d. per lb.

TARTARIC ACID B.P.-Good inquiries continue here and sales have been fair. The selling price seems to be well maintained in the region of 1s. 3½d. to 1s. 4d.

TERPENE HYDRATE is steady, but little called for as

offered by dealers at 1s. 9d. per lb.

THYMOL is unchanged on the week, with the price about 15s. 6d. per lb.

THEOBROMINE.—The pure alkaloid is offered at about

10s. 6d., and sodium salicylate at 7s. 9d.

The following are also current prices:—Pure gallic acid. 2s. 11d. to 3s.; lactic acid B.P., 2s. to 2s. 3d. per lb.; ammon. ichthyosulphonate, 1s. 11d. per lb.; calcium glycerophosphate, 4s. 6d.; calomel, 4s. 9d.; corrosive sublimate, 4s.; lithium carbonate, 9s. 6d.; piperazine, 3s. 3d. per oz.; quinine sulphate (makers), 2s. 3d.; quinine ethyl carbonate, 2s. 11d. per oz.; potassium sulphoguaiacolate, 5s. 3d. per lb.; safrol, 2s. 3d. per lb.; santonin, 750s. per lb.; vanillin, 23s. to 23s. 6d. per lb.; zinc sulphocarbolate, 1s. 8d. to 1s. 9d. per lb.

#### Industrial Chemicals, etc.

London, June 13.

THE continued slackness in the heavy chemical market is, rightly or wrongly, put down to the uncertain political position on the Continent generally. It is all too evident that there is no confidence on the part of consumers, who continue to buy as sparingly as possible for immediate requirements. Since the German mark has declined to the hundreds of thousands to the pound sterling, isolated offers from that quarter have been on the market at remarkably cheap rates. German exporters having bought such goods in marks when that currency was worth possibly ten times its present sterling value can easily afford to do this. These comments do not, of course, refer to offers for forward delivery from German The latter prices continue still very firm. Nevertheless, these cheap occasional offers seem to have had an unsettling effect on the position here. No one can even guess what the future will bring forth, and

therefore everyone seems to be marking time. There is no disputing the fact that the long-drawn-out question of Reparations and the occupation of the Ruhr has already done infinite harm, and a settlement, so long as it is definite, will be very welcome.

ACETIC ACID on spot holds firmly at last week's prices and shows no sign of easing in buyers' favour. 80 per cent. technical, £47 to £48; 80 per cent. pure. £50; 98 per cent. glacial, £60 in casks and £75 in glass

demijohns, ex wharf, London.

ACETONE is likely to firm up a little before long. It is now firm at £118 per ton for British Government specification, with little about. Considerable business

has been done lately

ALUM remains dull with dealers offering lump in casks at £10 10s. to £11 per ton.

Ammonium (anhydrous) has been the source of some business with dealers' prices well maintained in the region of 1s. 5½d. to 1s. 6d. per lb. for 99.5 per cent.

Bleaching powder.—Dealers are finding business very

poor. They are offering 35 to 37 per cent. chlorine at about £10 per ton.

BORAX.—The reduced prices of the British makers given last week obtain, and are likely to hold for some time to come. Dealers are offering granulated commercial at competitive rates.

CREAM OF TARTAR.—A good volume of business has been done here, and importers are finding little difficulty

in getting their prices of 92s. 6d. to 95s. per cwt.
EPSOM SALTS are seldom inquired for. Dealers Dealers are offering commercial quality in bags at about £5 to £5 5s.

per ton.

FORMALDEHYDE is firmer, and with very little available on spot the price may go still higher. At present the lowest offer seen has been £92 per ton for 40 per cent. volume, ex wharf London.

LEAD ACETATE.—The position here is firm with nothing much about and Continental offers short and dear. Brown £42, white crystals £43 per ton.

LITHARGE.—Importers are finding a fair business with

their quotations in the region of £35 per ton.

LITHOPONE is a good market. 30 per cent. Continental red seal is in short supply on spot with the demand quite brisk. The price is well up to £22 10s. to £23 per ton. Offers from the Continent are limited.

Nickel sulphate.—British makers' prices are unchanged at £38 per ton for double and single salts for

home and export.

Potash caustic.—Somewhat easier prices are now being asked on spot for 88 to 92 per cent. solid in drums. Offers are at £32 to £33 per ton. There has been no great demand.

POTASSIUM CARBONATE.—This market does not seem to liven up much. Spot holders show evidence of willing ness to shade their quoted prices of about £29 for 90 to 92 per cent. and £32 10s. for 96 to 98 per cent.

Potassium chlorate is steady but slow at about 3d.

per lb.

Potassium permanganate keeps fairly steady, and business is on the market in the region of 101d. per lb. for commercial quality.

Potassium prussiate continues to move in buyers' favour with some holders sellers at a shade below the generally quoted price of 1s. 4d. per lb.; red has gone to higher rates, being now offered at 2s. 10d. per lb.

SAL AMMONIAC continues to be slow in moving off from the spot supplies available: dog-tooth crystals, £49 to £50; medium, about £44; fine white crystals are cheaper at £27 to £28 per ton.

SALTCAKE is steady at unchanged rates, with plenty of inquiry. Home trade is about £5 to £5 5s. per ton,

niquity. Home trade is about £5 to £5 5s. per ton, and export about £5 10s. f.o.b.

Soda caustic.—Dealers' quotations are unchanged, but business with them is poor. 70 to 72 per cent., £19 10s.; 76 to 77 per cent., £21 10s. per ton, in drums, ex wharf shipping port. British makers continue to quote for home trade only from £19 to £21 10s. per ton, in drums, carriage paid to destination. Their prices for export vary as to destination vary as to destination.

SODIUM ACETATE is steady with the shipment price from

£25 to £25 10s. per ton.

SODIUM BICARBONATE from British makers for home trade only is steady at £10 10s. per ton, in bags, carriage paid to destination.

SODIUM BICHROMATE is unaltered with British makers quoting at 4½d. per lb. for home trade, and slightly more for export.

SODIUM CARBONATE (washing crystals) from British makers for home trade only is steady at £5 5s. per ton in bags, carriage paid to destination.

Sodium Chlorate is dull but steady at about 2% d. per

lb. for crystals and granular.

SODIUM HYPOSULPHITE keeps very steady with a fair amount of small business about. Pea crystals, in 1-cwt. kegs, £16 per ton from dealers. English makers offer at £15. Commercial quality is £10 10s per ton, in casks.

SODIUM PRUSSIATE remains weak with very little business about. Offers are now generally down to 7d. per lb. SODIUM SULPHIDE has met with little business of late. Quoted rates from dealers are unchanged. 60 to 62 per cent. solid, £14 10s. to £15; ditto, broken, £15 5s. £15 10s., in drums; 60 to 65 per cent. concentrated, £15 per ton, in casks.

SULPHUR .- A moderate demand is reported, and the ### A more than the standard of the standard o

COAL-TAR PRODUCTS, ETC. - Some changes of importance have taken place in this section. Pitch has hardened. Carbolic-acid crystals are much cheaper on a dull market, and pyridine is firm at very high rates. Aniline oil and salt are both staguant with the price nominal at about 10d. to 11d. per lb., packages free. Betanaphthiol is seldom asked for; the quoted price is somewhere in the region of 1s. 2d. per lb. Pitch in London, which has been falling away sharply of late, has been much steadier this week, and those is a resolution of the price of this week, and there is a marked tendency towards a firmer market. The quoted rate seems likely to move up from 117s. 6d. to 120s. per ton. Pure METHYL ALCOHOL is now very firm at £100 per ton, ex wharf London, and may shortly advance a little. CARBOLIC ACID has been a weak feature for some time and this week brings a further reduction to 1s. 4d. per lb. for 39° to 40° C. crystals in large bulk packing. CREGSOTE OIL is much steadier at the unchanged figure of 10d, per gallon, f.o.b. naked. CRESYLIC ACID keeps steady but in little demand at about 2s. 3d. per gallon. Pyripine is at the very high figure of 18s. per gallon. This is due to the acute scarcity of supplies on spot. HEXAMETHYLENE holds firm, and may advance a little from the present rates of 4s. to 4s. 3d. per gallon. DISINFECTANTS are unchanged at 3s. 9d. per gallon, barrels free. NAPHTHALENE is very steady with the Continental position firm. On spot, £20 per ton; crude, £7 to £13; crystals, £21; powder, £17 10s.; balls, £24; tablets, £28; and candles, £28 per ton.

#### Fixed Oils, etc.

THESE markets have been quiet throughout, the only exception being perhaps palm-kernel, which is of no great importance. Prices continue to move in buyers' favour. Linseed oil has improved both in demand and price. Turpentine is not moving, and the spot quotation is nominal. Acto oils.—Coconut and palm-kernel are now lower on reselling at about 37s. 6d. Groundnut is quiet, with offers at the cheaper price of 36s. Soya is dull, but unchanged at 35s., all spot. Castor.—Hull prices are maintained, but there is not much huirness about a phagmagnitical. there is not much business about; pharmaceutical, 61s.; first pressings, 56s.; second pressings, 55s.; for spot to August delivery in not less than one-ton lots. Coconur OIL.—The prices of decdorised, spot, at 51s., and Ceylon at 43s. 3d., c.i.f., are cheaper, with little demand about. Cochin at 48s., c.i.f., is steady but dull. Cottonseed oIL.—Prices for all kinds are easier, with the market generally quiet; deodorised, 46s. 9d.; common odible, 44s.; soapmaking, 42s. 6d.; crude, 38s., all spot. Ground of Cround Created Created Common of the Cround there is not much business about; pharmaceutical, 61s.;

state that the exportable surples will be a lot less than anticipated recently, but crushers are slow in covering their needs, while buying lately has been largely confined to Indian seed. Palm-kernel oil.—There is somewhat of a scarcity here, and with a good inquiry the market is firmer. Deodorised, 50s., and crude, 41s. 6d. spot. Palm oil.—Prices are being fairly well maintained here with the market quietly steady, although in some quarters the opinion is held that lower prices will come along. Lagos, 34s. 9d.; softs, 34s. 6d.; mediums, 35s.; hards, 36s.; bleached, 37s. 9d. Rape oil.—The market has been dull, and prices are moving in buyers' favour; refined, 47s. 6d.; crude, 43s. 6d., all spot. Soya-bean oil.—Business has been slow and prices are about the same; deodorised, 45s., 6d.; crude, 39s. 6d., spot. Tuppentine.—The market early this week became again firmer, not because of any notable improvement in the trade demand, but chiefly on account of the tightness relating to spot delivery consequent upon the absurdly reduced warehouse stocks down to about 3,500 barrels. It is, however, understood that about 8,000 barrels anticipated recently, but crushers are slow in covering their barrels. It is, however, understood that about 8,000 barrels are now afloat from America due to arrive in about a week's time, so that an adjustment in the spot price should then ensue. The spot quotation for American is returned at 103s., while that for June is at 90s.: July December, 74s. 6d. per cwt. Wood oil.—Hankow in barrels on spot is again cheaper, and still weak at 107s.

#### German Economic Situation

In an article entitled "The Kings of the Republic," Dr. F. Pinner, the well-known writer on economic subjects of the "Berliner Tageblatt," draws attention to the increasing the "Berliner Tageblatt," draws attention to the increasing growth of trusts in Germany, dwelling particularly on the all-embracing activities of Herr Hugo Stinnes, who, not content with uniting under his sceptre so many diverse forms of German undertakings, is also acquiring interests in numerous foreign concerns. After dealing with the political and economic perils which these huge trusts may entail, Dr. Pinner concludes with an interesting comparison:—Does not the restless, dictatorial activity of our trust kings, their complete inability, nay, unwillingness to gauge kings, their complete inability, nay, unwillingness to gauge correctly the international effect of their deeds and words, recall the memory of another crowned head, who also by his restlessness and many-sided activities engaged the atten-tion of the world, intoxicating himself by emanations of short-sighted dreams of power, and thereby fatally en-dangering the sober course of his country's policy? The real peril resides in the economic trust kings, whose might is to-day more absolute and more far-reaching than ever attained by William II. and added to this, they are not responsible, for legally they deal only with private property. Germans should no longer close their eyes to the fact that a private ruler, such as Hugo Stinnes, to-day is regarded abroad as being just as typically representative of Germany, to Germany's detriment, as formerly was the case with William II., and that the German people are held just as responsible for his existence as they were for that of William II. As already foreshadowed in these columns (C. A. D., May 19, p. 715), general expert licenses are nearly William 11. As already forestadowed in these columns (C, & D), May 19, p. 715), general export licences are now being issued covering certain categories of goods, thus avoiding the necessity of applying for an export licence for each consignment. The conditions under which these general licences are now issued agree with the information already published, except that 40 per cent, of the value of the invoice in foreign currency has to be handed to the Imperial Bank. In the case of exports to Great Britain, the 26 per cent. Reparations Levy may be deducted, except that the 40 per cent. so that the 40 per cent, in foreign currency to be remitted is calculated on the remaining 74 per cent, of the export value. Among the articles which are included in the first list of free exports figure, inter alia:—Lanolin, menthol cones, perfumed fats and oils, eau de Cologne, perfumes, hair lotions, mouth washes, and cosmetics, alcoholic and non-alcoholic, fly catchers. On the whole, the chemical and drug markets are depressed, and in the case of heavy chemicals prices have even, in some instances, fallen, owing to speculators trying to sell their holdings. On the other hand, pharmaceutical chemicals remain firm. While export business in South Germany was rather better, Hamburg complains that foreign inquiries were unsatisfactory. The complains that foreign inquiries were unsatisfactory. The following are the export prices ruling, for one kilogram, unless otherwise stated:—Acetylsalicylic acid, \$1.20; coumarin, 28s.: cream of tartar, fl. 110, or \$50, per 100 kilos: ergot, \$80 per 100 kilos, also 3s. 8d.; glycerin, chemically pure, 28° Bé., \$40 per 100 kilos; hexamethylenetetramine, \$1.30; ipecacuanha, Rio. 16s. 5d.; menthol, spot, 33s. 6d. per lb.; milk sugar, £85 per ton; oxalic acid, £39 per ton; phenolphthalein, 13s. 5d.; potassium bromide, 8\forall d.; salicylic acid, 4s. 5d.; sodium benzoate, 2s. 3d. per lb.; spermaceti, 1s. 7d. per lb.; vanillin, 46s. 10d.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

#### Apprentices' Remuneration

SIR,—In your last week's issue I am reported to have suggested, at a meeting in Manchester, 40s. per week as a salary for a fourth-year apprentice. What I really stated was that this amount would be a reasonable remuneration for an improver or junior who had just completed his apprenticeship, and I suggested that the fourth year's salary should approximate more closely to this than it had done in the past. The scale I sub-mitted, for a city like Manchester, under present-day conditions, was 10s., 15s., 20s., 25s.; but as the value of the training received and cost of living in town and country varied so much, I did not think it possible to devise a scale applicable to the whole of the country. Faithfully yours,

Salford.

E. H. SIMMONS.

#### Labelling Dispensed Poisons

SIR,—I was glad to note your reply to "Puzzled" (C. & D., May 19, p. 717), in which you say that ordinary sales of paregoric and squills asked for over the counter are unaffected. the counter are unaffected, as the provision as regards labelling with percentage of poison only applies where the contents of the article sold are unknown to the purchaser. Otherwise, the cost of domestic recipes, if one had to label with percentages, would be raised. I notice in the C. & D. Diary, 1923 (p. 254) that certain regulations must be observed by a registered chemist and druggist in dispensing any medicine; such medicine, when copied in the prescription-book, is exempted from labelling, either as poison or with the names of the poisons in it. Nowhere is it said that the medicines must be prescribed by a registered medical practitioner. The new amendment of Section 17 of the Pharmacy Act, 1868, refers only to Insurance prescriptions written by a registered medical practitioner, and I cannot see that it in anyway interferes with the dispensing of other prescriptions, whether written by a medical practitioner or not, provided that a copy of the medicine dispensed is kept in the prescription-book. The amendment 4 (1) is really to exempt N.H.I. scripts from having to be copied in the prescription-book, while all other prescriptions must be copied. If other prescriptions had to be written by medical practitioners only, what would one do about verifying them? For example, a paper just handed in, in very neat and correct writing, but without a dose or signature, reads as follows :-

Sodæ bicarb. Bism, carb, ... Muc. tragac. 35s. ... ...

Tr. nuc. vom. ... 5iss.
Inf. gnt. co. ... ad 3viij.
Is this a prescription? I certainly treat it as one. To sum up, I would again point out that the Pharmacy Act says nothing about a prescription being of necessity a medical practitioner's prescription.-Yours faithfully, Seaham Harbour. WM, FORSTER.

#### A Student's Grievance

SIR,—Has it not occurred to readers of the C. & D. that the curriculum by-law, imposing on all persons presenting themselves for the Qualifying examination after July the necessity of producing evidence of curriculum training, is a grave injustice to those who have been few or many years in the trade previous to its passing? In other words, should not those who were serving apprenticeship at the time of passing of by law, or those who had already sowed such apprentices. by-law, or those who had already served such apprenticeship, or who had been legitimately-engaged in the trade as assistants, be exempt from such by-law? To put the question in another form, should not the by-law only apply to those who have entered the business since the passing of same? JUSTICE (28/5).

#### The Chemist's Title

SIR,—Although there is something to be said for the "analytical" chemist, we cannot afford to yield anything to him. If I had my time over again I would put "chemist and druggist" on the facia of the shop and coloured bottles in the windows. I certainly think pharmacist "rather overdone. Nearly all our fractority call themselves when register that the statement of the shop our fractority call themselves when register that the statement of the st "pharmacist" rather overdone. Nearly all our fraternity call themselves pharmacists, but as every Dick, Tom and Harry can designate his place of business as a "pharmacy," we seem to be grasping at the shadow rather than the substance. We have to remember that the title "dentist" decreased in value when "dental surgery" became—as one may say—broadcast.

Yours. etc.

Yours, etc., NARETEV (11/6).

SIR,—Years ago there was a craze for propounding conundrums on the lines of "When is a door not a door?" I was reminded of this by an advertisement in door?" I was reminded of this by an advertisement in a recent Supplement. "When is a pharmacist not a pharmacist? When he is an unqualified one." How can a pharmacist be unqualified? Surely a firm, presumably carrying on a drug business, should know the meaning of the title.—Yours faithfully,

A. RIDDLE (9/6).

#### Treatment of Panel Patients

Sir,—If "Xrayser II." (C. & D., May 26, p. 735) finds that the panel practitioners near him are "presumably anxious to do their duty," the panel patients in his district are more favoured than those in other localities. Judging by the constant grumbling of customers, the panel doctors as a general rule look on the insured person as a nuisance, to be prescribed for and dismissed in the shortest possible time in order to attend to private patients, and the only thing about him worth having is his capitation-fee. Complaints as to waiting in the surgeries, non-adherence to stated hours, scanty diagnosis, and overbearing manners are inflicted on the pharmacist daily. The unfortunate part is that the average patient refuses to make formal complaints in the proper quarters for fear of being mixed up in an inquiry. If only one-quarter of the complaints is true, it would furnish an unanswerable indictment of the way in which the medical service is carried out at the present time.—Yours truly, CONFIDANT (26/5).

#### Panel Doctors' Surgery Hours

SIR,—At the conference called by the Insurance Act Committee of the British Medical Association (C. & D. February 3, p. 151) there was not sufficient stress laid on the unpunctuality of the doctors with regard to surgery hours. It is true that Mr. Mallinson suggested that such punctuality might be helpful to both patients and pharmacists alike, but the matter should have been strongly emphasised. If a doctor takes on a contract to attend between 6 and 8 p.m., he should conscientiously fulfil that contract; we should then hear no more of the complaints of people who have been sitting in a stuffy and often inadequately sized waiting-room for an hour and a half before the doctor arrives, and rub-bing shoulders with other persons who have all sorts of complaints, some of which might turn out to be of complaints, some of which might turn out to be infectious. Furthermore, the difficulty of obtaining medicine would be largely obviated. In my own locality the rush begins about 7.30, the first customer generally apologising for being late as the doctor had only just arrived; the scripts then begin to come in three and four at a time, incidentally showing how much time that have been greatly applied to the scripts are dispersively as a until at must have been spent on diagnosing each case, until at 8 o'clock, when the Shop Hours Act compels me to close, I frequently have the pharmacy fairly full of people waiting. After that I still get knocks at the door with more scripts; the remainder, seeing the window lights out, go home and come the next day with complaints of the inadequary of the service. Mr. complaints of the inadequacy of the service. Mr Mallinson also remarked that if a doctor was not awar of the composition of a proprietary medicine he should not prescribe it. Adherence to this rule would cut ou probably the whole at once.

Faithfully yours, ADEQUOT (12/2).

#### Legal Queries

R. T. (4/6).—If by "gum opium" you mean what the Dangerous Drugs Act Regulations call "medicinal opium," this comes under the ordinary conditions for prescribing and dispensing. There is a special set of Regulations dealing with "raw opium." Medicinal opium is defined as "opium which has been artificially dried."

W. F. (12/6).—(1) There is no law against prescribing Part I. poisons (except "dangerous" drugs), but all poisons dispensed—save under the National Health Insurance scheme—must be entered in the prescription-book. Part I. poisons sold per se must comply with the conditions of the Poisons and Pharmacy Act. (2) You cannot prescribe a proprietary medicine unstamped.

J. G. (8/6).—A written order, with address and signature, is required every time the cocaine local anæsthetic is ordered from you by the dentist. You must each time label the preparation with the percentage and enter the sale in your poisons-book, writing in the signature column "Signed order." A cross reference in your cocaine-register must also be made and the order kept for two years.

Dubious (8/6).—There is nothing in the mixture the formula for which you submit that is in contravention of the new Act amending the Pharmacy Act, but it contains three poisons of which you will have to make a disclosure in accordance with the conditions laid down in the Order in Council not yet issued. If, on the other hand, it is a prescription within the meaning of the definition, it will only be necessary for you to enter it in the prescription-book.

Acetanilide (2/6).—Acetanilide is not a scheduled poison, but its administration is recognised as having an element of danger in it, owing to idiosyncrasy of the patient. The official dose, now 2 to 5 grains, was formerly 3 to 10 grains. According to Mr. John Lawson, in his evidence before the Select Committee on Patent Medicines, millions of "Daisy" powders containing acetanilide have been sold, and there is no well-authenticated case of injury.

W. T. (41/4).—(1) Ung. gallæ c. opio is by regulation outside the Dangerous Drugs Act, and can be sold labelled "pile ointment" without restriction. (2) Pil. digitalise topii co., B.P.C., is by regulation outside the Dangerous Drugs Act. (3) Chloralamide is not a scheduled poison. (4) "Dutch Drops" is not a registered trademark, so far as we are aware. (5) The proportion of morphine in the toothache essense (P.F. VI.) should be reduced to 1½ grain of morphine hydrochloride per oz., so as to take the preparation outside the Dangerous Drugs Act.

Rated (2/6) recently erected a sectional wooden building, which he uses as a motor house, the pre-war value of which would have been under £10. He has been called upon to pay rates in respect of the building, the rateable value being fixed at £2. Are rates payable in respect of a building of this character and, if so, what should the rateable value be? [Rates are payable even in respect of a sectional building used as a garage; but it is impossible to express an opinion as to the rateable value without a complete knowledge of the circumstances.]

T. G. C. (29/5) asks whether the sale of a business comes under the heading "Conveyance on Transfer or Sale" amongst the stamp duties shown in the "C. & D." Diary. Would a 6d. stamp suffice for an agreement connected with the sale? [The sale of free-hold premises where a business is carried on would be effected by a conveyance which would be stamped in accordance with the heading mentioned. It is, however, quite impossible to express an opinion as to the stamp duty upon a transfer, agreement or other document connected with the sale of a business without seeing the document, and "T. G. C." should submit the documents in question for an expert opinion.]

Charmick (2/6).—"DANGEROUS" DRUGS SUPPLY.—We gather from what you write that all the formalities of the Dangerous Drugs Act Regulations are carried out in the prescriptions you receive from the medical officer of

health for tr. opii. We presume also that you supply the drug direct to the patient for whom it is prescribed. If you have any doubt as to the genuineness of the prescriptions, or if any detail required by law is not carried out, you should refuse to supply the drug, remembering that it is always the chemist who is made the scapegoat for infringement of the Dangerous Drugs Act. This attitude of the authorities and the savage penalties inflicted have already caused several chemists to refuse to have anything to do with prescriptions ordering "dangerous" drugs.

P. N. G. (4/6) took over a business last year paying an annual rental of £100 for the premises. The owner of the premises from whom "P. N. G." took them over had allowed one of his employees, A, to occupy part of the premises rent free, and "P. N. G." allowed A to remain as tenant at a weekly rent of 7s. 6d. A few weeks ago A was given notice to quit and, as he did not leave, his rent was raised to 15s. a week. A refuses to pay the additional rent; is his refusal justified? The premises were never let before the war so there is no "standard rent." [The standard rent of the premises occupied by A is 7s, 6d., the amount at which they were first let, hence the increase to 15s. was invalid. The maximum increase which "P. N. G." can enforce is 40 per cent. (assuming he does all the repairs), and "P. N. G." must give a fresh notice of increase of rent in proper form before he can compel A to pay a higher rent.]

H. A. (9/6) took over his present premises in May, 1918, two of the rooms being sub-let to three Belgian women who are careless in their habits and do not make any effort to keep the property in good condition. He has been told that he cannot compel them to leave the rooms unless he can provide them with equally suitable rooms, in the same district, and at the same rent, although he requires the rooms for his own use. Is this correct? [At present, the Court would not give "H. A." possession of the rooms unless he can show that the tenants can find other rooms in the same district, equally convenient and at the same rent. Under the Bill now before Parliament this requirement is modified, and when it becomes law it is probable that "H. A." will only have to prove the existence of alternative accommodation "reasonably suitable" to the tenants' needs. The Court would give "H. A." possession if he can show that the tenants' conduct amounts to a legal nuisance, or that the premises are deteriorating owing to their neglect.]

W. H. O. (9/6) owns the house and shop which he occupies and also the house next door. The tenant of the latter is not a desirable one, and he gave her six months' notice to quit, expiring in March last. The tenant is still in possession; must "W. H. O." give a fresh notice to quit next September? The tenant neglects to cut the privet trees in her front garden which have grown to such an extent that they obscure the view of "W. H. O.'s" shop. Can "W. H. O." compel the tenant to have the trees trimmed or have them cut himself without consulting the tenant? [If "W. H. O." has terminated the tenancy by valid notice he is entitled to apply to the Court for possession of the house at any time, without having to give any further notice; but he will only be given possession upon one of the grounds mentioned in the Increase of Rent Act. "W. H. O." cannot safely have the trees cut without the tenant's consent; nor can he compel the tenant to have the work done unless the trees substantially diminish the amount of light and air coming to the premises which he occupies.]

#### Subscribers' Symposium

Appreciations

Would not be without my C. & D. for worlds.—I. J. (22/5).

Your journal gives us all pleasure at this office, particularly an English chemist here, and is inquired for by others interested in drugs and chemicals.—A Vancouver Subscriber (2/5).

#### Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

S. J. (29/5).—RED SQUILLS AND BARIUM RAT PASTE.—The following is the formula for which you ask:—

Squill, sliced fine ... ... 2 parts.
Barium carbonate ... ... 2 parts.
Meal ... ... 2 parts.
Beef-dripping sufficient to make a mass.

M. L. J. (4/6).—The interior of the tree trunk should be removed by mechanical means, as you could not limit the chemical action of acids or saltpetre as you desire.

Phenacetin (2/6).—Treatment of ringworm.—Martindale's "Extra Pharmacopœia" refers to the use of sassafras oil in the treatment of ringworm. The oil is painted on the part twice daily, and the application continued for a few weeks if necessary. The oil is "non-irritating and pleasant to use, prevents spread of the infection and destroys the fungus." Safrol, which is the active principle of sassafras oil, and camphor oil would possess the same properties as are attributed to sassafras oil.

- F. H. Q. (29/5).—There are facilities at the Patent Office for inventors who wish to ascertain whether the new article of manufacture which they wish to patent has been anticipated. The patent specifications can be consulted free of charge, the search being facilitated by a series of subject-indexes and abridgments of patents. These are available to the public.
- G. & K. (30/5).—C. & D. RETAIL PRICE LIST.—We have noted your suggestions and information regarding overhead charges. As certain factors in a costing list vary from year to year, the oncost is frequently revised in order to maintain the correct average net profit on drugs. For ordinary retail sales uneven prices are not given, where these occur the figures are necessary for prescription pricing purposes.
- A. B. (101/2).—Specific gravity.—The following is an example of a scheme for calculating the amount of two liquids of different densities to produce a mixture of a desired specific gravity where no appreciable contraction or expansion occurs on mixing:—

Sulphuric acid 1,843 , 1,300 , 543 above.

Water .. 1,000 , Mixture , 300 below.

Taking sp. gr. of water as 1,000 instead of the usual 1.000, the specific gravity of the acid is 543 points above specific gravity of that desired mixture; water is 500 below. The arrows indicate that by taking 300 fluid parts (oz., etc.) of strong sulphuric acid and 543 fluid parts (oz., etc.) of water, a mixture of density required should be obtained. Actually the product will be too heavy, cwing to contraction, and density must be adjusted by hydrometer when mixture is cold. The following proportions found by actual trial give a close approximation to acid of specific gravity 1.300.

Sulphuric acid, sp. gr. 1.834 ... 20 oz. (by measure). Water ... ... 49 oz.

- B. M. (South Africa) (8/5).—Books on Soap-Making.
  —Hurst's "-Soaps" (Scott, Greenwood & Co., 21s.);
  Watts' "Art of Soap-making" (Lockwood, 7s. 6d.);
  Deite's "Manual of Soap-making" (Scott, Greenwood & Co., 21s.).
- A. B. (30/5).—Tennis court.—The best binding material for a tennis court made of clinkers is occasional watering with water containing a small proportion of Portland cement. Tennis courts made with clinker 3 parts, cement 1 part, are found to be fairly satisfactory.
- A. B. (22/5).—The sample which you submit with a view of ascertaining whether it is butter or not has a Reichert value of 29.4, which is evidence of its being pure butter.

Brewer (29/5),—LEMONADE POWDERS.—

1.
Ac. tartar. ... ... 5j.
Ol, limonis ... ... mxx.
Tr. curcumi ... ... 5j.
Sacch, alb. ... ... lbj.

Put up into packets of one ounce, sufficient for a pint of lemonade. Part of the sugar can be replaced by saccharin, 14 grains of the latter being equal to 1 lb. of sugar.

A.
Sodii, bicarb. ... gr. ccc
Saccharin. ... gr. iv.
Ol. limonis ... mxv.

Mix and divide into twelve powders, using blue paper for wrapping.

Ac. tartar. ... gr. ccclx.

Divide into twelve powders in white paper.

Directions.—Dissolve the contents of the blue paper in a tumblerful of water. Stir in the contents of the white paper and drink during effervescence.

- S. G. E. (6/6).—(1) LIQUID FLOOR POLISH.—See C. & D., July 22, 1922, p. 140. (2) We are unable to give you any information as to the use of hydrarg. ox. cin. in a pile ointment.
- M. F. H. (3/5).—Horse blister.—This is an ointment, having lard as its chief basis, coloured green with green oil. It contains no mercury. Probably its active ingredient is cantharidin, but the sample is too small wherewith to make any satisfactory test for this.

Bon-Accord (28/5).—If the skin of your face is as sensitive as you state, it would be better for you to grow a beard, especially as the usual soothing applications are ineffectual.

- R. H. M. (New Zealand) (15/3).—WHITE SHELLAC.— There does not appear to be any way of restoring white shellac that has become insoluble so that it can be dissolved in spirit. It can, however, be used up as an ingredient in bottle wax.
- E. J. N. (1/6).—Sterilising surgical instruments.— The simplest process for non-cutting instruments is to boil them for ten minutes in a solution of washing-soda, or in the case of knives and lancets wash them in hot soapy water and finish with immersion for a quarter of an hour in methylated spirit.

#### Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," June 14, 1873.

#### Paradise Lost

The Peris pleading for admission to the pharmaceutical paradise have been most unmistakably repulsed for the present, if not for all time. On whose side the stars in their courses will fight remains to be seen. In Moore's famous poem the glorious angel who kept the gates of light was touched when he saw the Peri weeping without, and encouraged her to hope for admission in the future. Our glorious angels, on the other hand, receive our peris with merry jokes, and in response to their entreaties assure them in plain words that they will not admit them unless by order of the law. If women pharmacists and their friends are determined to continue the fight, they must go to the Court of Queen's Bench for a mandamus, calling on the Pharmaceutical Society to show cause why they exclude them. If they get the mandamus the Council will be prepared to produce a copy of Punch, and the history of the past 4,000 years, in support of their action in the matter. So stands this interesting question at this moment. We find ourselves on the losing side; but, believing, as we do, that the discussion on May 21 fairly reflected public pharmaceutical opinion, we could not wish that a victory should have been snatched by inadvertence. Neither have we the slightest intention of impugning the wisdom of the majority. Least of all is it our desire to see the contest continued either in the Pharmaceutical Society or in the law courts.

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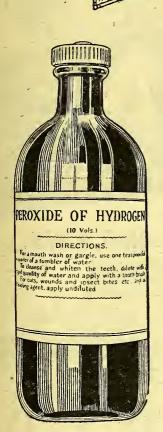
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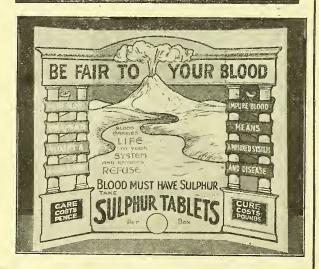
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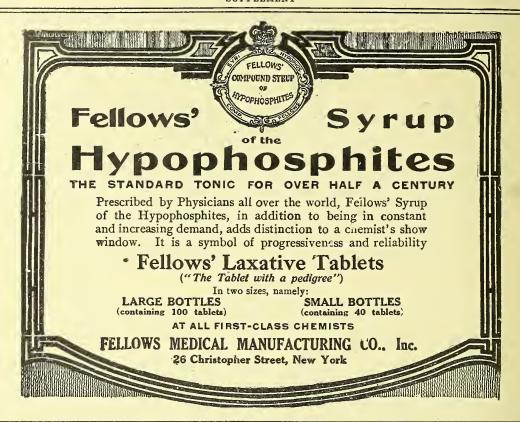
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270 WASHINGTON STREET, JERSEY CITY, N.J., U.S.A SYRUP



(ROBERTS)

Recognised by the Medical Profession as

THE BEST TONIC.

Supplied in 8-oz. and 16-oz. Bottles by all the Wholesale Houses.

Inquiries Invited for

NEW & RARE MEDICINES

of French, Italian and Russian Origin.

ROBERTS & CO..

76 New Bond Street, London, W. 5 Rue de la Paix, Paris.

#### BISHOF **OVERFATNESS** HYDROLETTES for

An extensive Advertising Campaign is being arranged in the Public Press, and Chemists are advised to hold a small stock of Bishop's HYDROLETTES in order to meet the demand.

Attractive Show Cards will be sent for Window Display.

An order for 3 dozen Hydrolettes at 66/- per dozen Less 10% discount	£9 18 0 0 19 9 8 18 3
Selling at 7/6 per carton P.A.T.A	13 10 0 8 18 3
Profit	£4 11 9

## BISHOP.

SPELMAN STREET

LONDON, E.1

#### 99 Trade Mark.

A derivative of albuminoid bodies containing nucleoproteid originated by Prof. Oskar Fischer, Prague. Specially indicated in PROGRESSIVE PARALYSIS, TABES DORSALIS, CEREBROSPINAL SYPHILIS, &c.

Now being extensively advertised to the Medical Profession.

Issued in Ampoules—Boxes of 5 amps of 5 c.c. (Uniform Packing), 12/6; Boxes of 5 amps of 2 to 5 c.c. (Series Packing), 12/-Manufactured by The Norgine Chemical Works, Prague, Czecho-Slovakia. Sole Representative. J. T. Roberts, 23 Panmure St., Dundee

Obtainable through all Wholesale Houses or direct from the Distributing Agents: DICK, COATES & CO., 41 Gt. Tower St., London, E.C.3

#### Ellcohol Industrial Durposes for Duty=Free Spirit.

The Industrial Spirit Supply Company, Limited. Agents: HONEYWILL BROS., Ltd., 79 MARK LANE, LONDON, E.C.3.

IS PRE-EMINENTLY

THE CHEMIST'S BRAND

# **BECAUSE**

- IT IS RECOGNISED AS SUCH BY THE LEADING MEDICAL JOURNALS.
- IT IS RECOGNISED AS SUCH BY CHEMISTS AND THE PUBLIC, AS IS PROVED BY ITS UNINTERRUPTED SALE OF OVER 100 YEARS.
- THE SALE IS HELPED BY STEADY AND INTELLIGENT ADVERTISING. ASK YOUR WHOLESALER FOR OUR LATEST HANDBILL. IT WILL INTEREST YOU AND IT WILL INTEREST YOUR CUSTOMERS.



Send a post card for the above unusual design attractively embossed in colours on a cut-out counter card.

A useful link between you and the Advertisement Campaign now running in the press to familiarise the public with the following outstanding merits of "Bidor."

(1) It does not give merely temporary relief, but is permanent in its effects, removing the constitutional causes of chronic and nervous headaches (migraine). (2) It is absolutely harmless to use. (3) It is a preparation actually prescribed by many Harley Street physicians.

Bidor is retailed at 3/- per tube or 36/- per doz., stamped. Unstamped 2/6 or 30/- per doz. DISCOUNT.

6 dozen and under 1 gross ... Less 25 per cent & 10 per cent 12 ,, ,, ,, 3 ,, ... ,, 25 ,, 12½ ,, 36 ,, ,, over ... ,, 25 ,, 15 ,,

Full particulars from Sole Distributors:
THE BRITISH HAROLD F. RITCHIE & Co. Ltd.
33 Farringdon Road, London, E.C. 1

## RUSSIAN PARAFFIN

Purest Medicinal (S.P.G. 885/90). Viscosity 280.

We are offering exceptionally pure Russian Medicinal Liquid Paraffin, high viscosity, non-clouding, at

oz.		-	per doz.
4	pa .	pd	7/-
6	ø	ppt top	8/9
8	ø	pd	10/6
12	<b>#</b> 1	pat	15/~
16	e	gal	19/~
20	-	pa	23/6

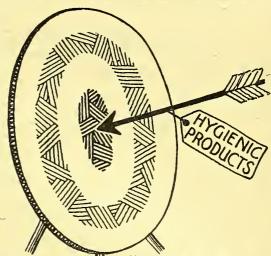
Packed, labelled Russian, script labels. White Flats or Ovals:

Own name and address on 3 doz. assorted.

Carriage paid on orders of £3 net (Ireland £5 net).

Order now while supplies are available.

THE SEMPROLIN CO., LTD., CARMEX HOUSE, 18 LEATHER LANE - LONDON, E.C.1



# Scoring a Bulls-Eye

Hygienic Products have scored a bulls-eye. Immediate success has followed the advertising campaign which began only a few weeks ago. There is a brisk demand and "repeats" are being ordered by chemists and druggists all over the country.

Hygienic Products are:-

Ruby Balm, Ruby Balm Oils, Veterinary Ruby Balm, and Germicidal Veterinary Dog Soap.

They are being regularly advertised in:—
The "DAILY MAIL"
and "DAILY MIRROR."

Are you sharing in the profits? If not write us to-day for our special trade terms.



100-106 Moorgate Station Chambers

London - - - - - E.C.2

Telephone: London Wall 670.

FACTORY: PRIORY ROAD, DARTFORD.

Telephone: Dartford 87.

We are Exhibiting at the Chemists' Exhibition, Stand No.55H.

# "A WARNING TO ALL CHEMISTS"

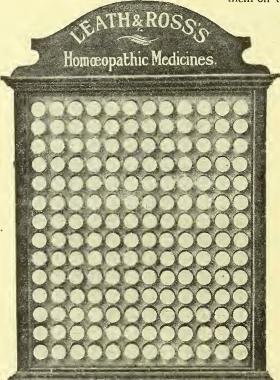
DO NOT BE A RIP VAN WINKLE

## WAKE UP NOW

H.R.H. The Prince of Wales has appointed a homocopathic physician to be his regular

The Editor of the Lancet has written "Proving the pudding by the eating, it would be difficult to say in the present state of Allopathic Pharmacology that the doctrine of Cure by Similars (Homocopathy) is wrong." In other words, it is right.

The Science of Homœopathy is progressing rapidly and, concurrently with it, the demand for our well-known Homœopathic Medicines. In order that every chemist should get his proper share of the sales of them, he should have one of our handsome UPRIGHT SHOW CASES well displayed in his pharmacy. They are very potential sales promoters, and we supply them on the following most advantageous terms, viz.:



Dimensions of the Case, Height (including scroll) 26 in., Width 19 in., Depth 6 in.

2 gross I/- assorted Pilules and Tinctures, @ 4/6 per doz. **5** Half cost of Showcase (costing £3) ... 1 10 0 10% monthly a/c

Or Cash with Order

#### £6 net.

You can choose your own medicines, or leave the selection to us. We should send the best selling lines only, and agree to exchange any within twelve months, FREE OF CHARGE.

Mr. HAROLD HAW, M.P.S., 5 Albert Terrace, Blackpool, writes: "SIRS—Showcase to hand safely; very satisfactory; has already been admired by several chemist friends,"

September 13, 1921.

Do not delay, send now to-

# EATH & ROSS Homocopathic Chemists (Qualified by Examination)

HIGH ROAD, Brondesbury, LONDON, N.W.6.

Telephone: Hampstead 1174.

# -Uma Sales rapidly increasing

There Reason.

HE remarkable curative qualities of Ki-uma, the new Tropical Herbal Ointment for Rheumatism, Neuritis and kindred Ailments, together with the sustained Advertising Campaign, have created ever-increasing sales throughout the country. Get your stock of this rapid seller now; every tin sold brings new customers by recommendation; this is proved by the testimonials below.

Full particulars of generous terms offered sent on request.

#### Remarkable Medical & other Testimony.

A Norwegian Doctor writes:

Röyken, January 24th, 1923.
I have used Ki-uma myself for a painful contusion of a joint and found it gave wonderful relief from

Letter from well-known Cheltenham
Chemist:— December 4th, 1922.
Salts will have to look to its laurels as the champion seller.

A Bath Chemist writes:

November 11th, 1922.

Ki-uma is proving a good seller. Since we started our window and counter display we have sold 10 doz, in the last month.

Note hy Editor, "Chemist & Druggist":—
November 11th, 1922
We were shown a sheaf of complimentary letters
from well-known people, including several medical
men of standing, which seems to show that Ki-uma
has the power of quickly alleviating rheumatic

S. M. J. Woods, the well-known Athlete My doctor gave me a pot of Ki-uma Ointment for Rheumatism. I have found it most successful in my case. It is first-rate stuff, as it rubs in so well and quickly relieves pain.

A Bath Physician states:

I have prescribed Ki-uma for some of my patients and have obtained most excellent results.

Another Bath Doctor writes:—
September, 1922.
For years past I have suffered from a chronic skin affection which hitherto has resisted all treatment. I tried Ki-uma and am not exaggerating in the least in saying that it has proved most efficacious.

Talboys, Keevil, Trowbridge:—
October 2nd, 1922.
The Countess of Kingston is glad to be able to say that she has found the Ki-uma Ointment of great benefit for her rheumatic knee.

Sir Edwin A. Spæd writes:— October 10th, 1922. I have been meaning to write and tell you that Ki-uma has completely cured my Tennis Elbow, which has defied me for two years. It really is rather wenderful.

A lady from Bury St. Edmunds writes :

A lady from Bury St. Edmunds writes:—
December 30th, 1922.
Ki-uma has acted like a charm with me. It first cured Neuritis in my hands. Later I was attacked with Rheumatism in my left Igg. I can only describe it as torture. I continued to apply Ki-uma and now the pain has quite gone.

Remenham Rectory, Henley-on-Thames: — January 8th, 1923.

I have found Ki-uma very effective. I was troubled with an acute attack of Rheumatism in my knee. I tried Ki-uma with extraordinarily good results. I am now free from pain. The stuff protections are seen and full emplijient properties. must contain some wonderful emolfient properties.

An eminent London Physician writes :-

London, August, 1922.

I have used Ki-uma in myown case for Rheumatism associated with the muscles and joints of my neck.

A Physician from Harrogate writes:

Your Ki-uma has been brought to my notice by a colleague who has used it successfully in an obstinate case of Arthritis of the hip-joint.

Retail Price 3/- per tin on the P.A.T.A. List.

6 Milsom St., KI-UMA LTD.

D.A.2245.



5% more than the usual profit.

# 381/2% Profit—is it worth a thought?

Net profit 10/-, i.e.  $38\frac{1}{2}\%$ 





This splendid profit of  $38\frac{1}{2}\%$  is the profit accruing from the sale of every tube of MOVOL—on the permanent selling basis established for Movol. Note the terms:

2 doz. 6d. Tubes 8 - 0 12 - 0 2 6d. Tubes 1 - 0 1 doz. 1/- Tubes 6 - 0 24 - 0

If 1/- size Tubes are not desired we will supply three or four dozen 6d. Tubes with corresponding number of Bonus Tubes.

Movol is a splendid line for Chemists. Easy to stock—no trouble in sale—no weighing, no measuring.

Advertisements are appearing regularly in the "Daily Mail," "Daily Sketch," and "News of the World."

We pay carriage and supply suitable Advertising Material.

Sole Makers:

WM. EDGE & SONS. LTD., BOLTON



# FIKENY PREPARATIONS

On the P.A.T.A.

KYLKOFF. A superior Cough Mixture. Originally prescribed by an eminent physician. 3/- per Bottle Retail. 25% Discount to Retailers.

INFANTISOP. A soporific for babies suffering from Originally prescribed by an eminent physician. Retailers. 2/~ per Bottle Retail. 25 % Discount to

FIKENY VANISHING CREAM. An excellent Toilet Preparation. 1/3 per Jar Retail. 335% Discount to

Goods delivered Carriage Paid. The above goods are being advertised.

Apply to THE FIKENY STORES CO.

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The Names of Stockists will be inserted in local advertisements.

The Names of Stockists will be inserted in local advertisements.

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J. STEVENS & SON, Wholesale and Export.

J. STEVENS & SON, 24 COLEBROOKE ROW, LONDON, N.1

LONDON, W.1

REAL SILVER LEAF
As supplied for many years to the leading Houses for Pills, Cachous, &c

We also supply

GOLD LEAF AND GOLD POWDERS

WHOLESALE ONLY.

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Head Office: 64 Cheapside, London, E.C.2. Telephone: Central 985

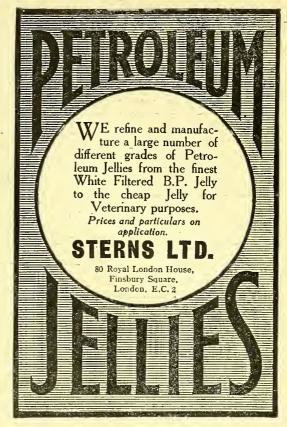


# THE LICENSES & GENERAL INSURANCE CO., LTD.

24, 26, and 28 MOORGATE, LONDON, E.C.2

TELEPHONE NOS.: LONDON WALL 4227/30.







To-day, as ever, the extra strength of

SUTTON'S CLOUDY AMMONIA



makes it the most efficient and the most economical for all purposes,

The enviable reputation of G.F. Sutton, Sons and Co. ensures that in handing out a "Sutton" product the retailer is giving his customer the very finest quality. Doesn't that mean "repeat" orders every time for YOU?

Sendforparticulars of FREE SPRING OFFER to

G. F.SUTTON, SONS & CO. Osborne Works, Brandon Rd. King's Cross, LONDON, N.7.

A good name is more than riches

# Best Pure

COLZA

OIL

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REFINED

Langley-Smith & Co.

14/20 St. Mary Axe, London, E.C. 3

Telegrams: "Tallowdom London."
Telephone: Avenue 3820.

Enquiries solicited for all Grades of Oil.

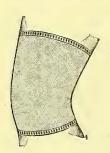
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# The SURGICAL HOSIERY Co. Ld.

(Department B), RUSSELL STREET, NOTTINGHAM.

Manufacturers and Patentees of

# SURCO SEAMLESS HOSIERY



In Light qualities for Summer wear, or Stout for hard wear.

Price List and Measurement Forms on Application.

Knee Caps as supplied to Bolton Wanderers, winners of Association Cup, 1923.

made to measure dispatched in 24 hours.



Finest 4½d. Sock. Quickest and Largest Sale.

BIGGEST PROFIT Retail at 41d. per pair.

"SPEEDWELL" Boracic Socks Retail at 61d.

Sample Pair and Special Offer

Terms or application to Makers.

Order Socks required by Name either from-

London.—Butler & Crispe; May, Roberts & Co.; Barclay & Sons; F. Newbery & Sons; Sutton & Co.; Edwards & Sons; Arthur Berton, Ltd.; Sangers, etc.

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Or direct from the Makers-

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Telephone: Sydenham 2220.



FLESH-COLOURED AND INVISIBLE, Maftrs, GROUT & CO., LTD., Gt. Yarmouth. London Agent—T. S. Eastaway, 35 Wood Street, E.C.2

# **MEDICAL & SURGICAL PLASTERS**

SPECIFY TAYLOR'S.

TAYLOR'S

TAYLOR'S

RUBBER ADHESIVE PLASTER.

RUBBER ZINC OXIDE PLASTER.

On Spools.

Surgeon's Quality.

On Spools.

THE "SALFORD" STRAPPING

(Infirmary Brown Holland).

Supplied in any width,

Special prices on application.

Supplies from the Principal Wholesalers throughout the United Kingdom.

# EDWARD TAYLOR LTD.

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Latest Price List
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Samples on

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Contractors to H.M. Government.

Established over 76 years.

# A. C. COSSOR & SON

Established 1859.

High Class

# **Clinical Thermometers**



PATENT



#### THE ACCOSON ASEPTIC CLINICAL.

The Thermometer is sterilised each time it is placed in the case, and the markings on the tube are not defaced. Any 4" clinical will fit the case.

Prices on application or can be obtained from all Wholesale Houses. ORIGINAL PATENTEES OF EASY SET CLINICAL THERMOMETERS. Contractors to all Government Departments.

Accoson Works, Vale Road, London, N.4.

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SECURE
SURE
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SEASONABLE SELLERS!

OUR NEW ILLUSTRATED LIST OF

# WATERPROOF GOODS

SPONGE BAGS, BATHING CAPS, TOILET HOLDALLS, BEACH BAGS, IS NOW READY.

# SOLPORT BROTHERS, LTD.

Manufacturers, 184 to 190 GOSWELL ROAD, LONDON, E.C.1.

FROM ALL LEADING WHOLESALERS.

# CHEMISTS' EXHIBITION, 1923

# NOTICE

We are NOT exhibiting at the Chemists' Exhibition
THIS YEAR

but will be pleased to welcome our Friends at

# **OUR SHOWROOMS**

WHERE, DURING THE WEEK

JUNE 18th-22nd

# **OUR LATEST NOVELTIES**

and a number of

# CLEARING LINES

WILL BE OFFERED AT SPECIALLY LOW PRICES

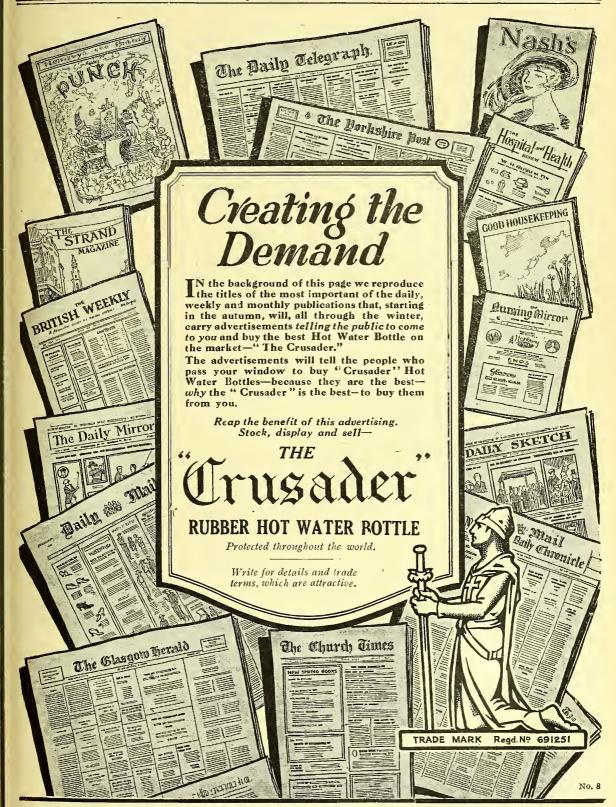
A VISIT WILL REPAY YOU

# ARTHUR BERTON, Ltd.

Showrooms

15/17 WORSHIP STREET, E.C.2

5 MINUTES FROM THE BANK. 2 MINUTES FROM MOORGATE STREET STATION.



Awarded the Certificate of the Institute of Hygiene. Retailed maintained price 6/11

One size only—the most convenient—15" × 9". Entirely British in every particular.

The Crusader Rubber Co., Ltd., 62 London Wall, London, E.C.



# "CORNOL"

Regd.

# CURES CORNS WITHOUT PAIN

Minimum Retail Price 1/3

1/3 Per Bottle

Wholesale Price

11/6 Per Dozen

SPECIAL WINDOW DISPLAY TERMS means 51d. on every bottle.

With an order for 6 dozen "CORNOL" we will send 9 bottles FREE and a Special Illustrated Talking Card that will sell the stock in a very short time. With the first order for 6 dozen we will also send FREE OF CHARGE, a model of the famous statue shown here.

#### TRIAL ORDER.

We will accept for a time opening trial orders of 2 dozen "CORNOL" and give 3 bottles FREE as bonus, also the Illustrated Talking Card.

A Special Discount of 5% is given for Cash within one Month.

Sole Makers:

# THOMPSON & CAPPER, Ltd.

Manesty Buildings, College Lane, LIVERPOOL.

The

Self-Closing
"Imperial."



Dr. SCHOLL'S PED-O-KUBE

A refreshing antiseptic preparaticulator tender, hot and swollen feet. Retail price 2/- per box (One dozen cubes).

## **BICGER BUSINESS**

Dr. Scholl's Foot Comfort Appliances and Specialities are in ever increasing demand. By displaying them you will materially increase your custom and sales. "Scholl" goods show



Write for Illustrated Catalogue.
The SCHOLL MFG. CO.Ltd.
I-4 Giltspur St., E.C.1



# SHOWCASES

UPRIGHT CENTRE CASES, WALL CASES,

GLASS COUNTERS, MIRRORS WINDOW FITTINGS, GLASS SHELVES,

SHOW STANDS, DRAWERS, DESKS

CHECK TILLS, &c. Immense Stock.

NEW and SECOND-HAND.

Ready for Immediate Delivery. For Sale or Hire.

FREDERICK MAUND
169 Old St., LONDON, E.C.1.



A Gledhill Till is made to stand constant use for a lifetime. You cannot expect the same results from a jerry-built article. The Self-closing "Imperial" fitted with wide paper is specially adapted for dissecting sales. There is no limit to its utility. Send to-day for our revised price list of Cash Tills of every type, all with provision for Treasury Notes.

G. H. GLEDHILL & SONS

Limited, 16 Trinity Works, HALIFAX, ENGLAND

# DOLS' FLANNEL

(Volatalise)

High radio activity through the skin to the lower layers and organs.

Cures

RHEUMATISM, BRONCHITIS, NEURITIS, SCIATICA, LUMBAGO.

Sold in Fancy Boxes at 1/3 and 3/-, also by the yard at 12/-, and made up into every garment sold by the Chemist.

Samples and Wholesale Prices on application.

SEE OUR STAND at the Chemists' Exhibition.
STAND No 46, Lower Hall, Central Hall, Westminster, June 18 to 22.

DOLS LIMITED, Huddersfield, ENGLAND



# Make room in your window

for this new Display—the handsomest we have yet produced. The shining nickel Thermos Flasks against the vermilion stand make a magnificent attraction. It will help you to sell the higher-grade Thermos Flasks—with a proportionately greater profit.

Write us for descriptive leaflet.

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LIMITED

12/14 Denman St., Piccadilly Circus London, W. Telephone: Regent 2578

OUR ONE to THREE GALLON SIFIER

> has been designed to meet the demands of the chemist who produces emulsions in small quantities.

> > WE ARE EXHIBITING

AT THE

**CHEMISTS**' **EXHIBITION** 

> Central Hall, Westminster, S.W. --- 22nd. 1923. JUNE 18th

and let us show you how you can

**PROFITS** INCREASE YOUR

H. T. BOOTHROYD, Ltd., Bootle, Liverpool

Telegraphic Address: "COMMUTATOR," LIVERPOOL.

Telephone: 420 BOOTLE.

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OPTIMUS FILTERS

The most efficient household filter.

Made in different sizes in earthenware, glass and tourist patterns.

Stocked by leading wholesalers.

Write for terms to the manufacturers.

MAWSON FILTER COMPANY

(MAWSON & PROCTOR, LTD.)

NEWCASTLE-ON-TYNE.

GARDNER'S PATENT " SIFTERS & MIXERS



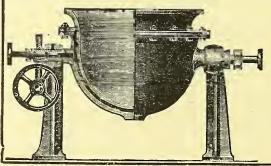
working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

FOR HAND OR POWER.

CATALOGUES FREE.

ARDNER & SONS (GLOUCESTER) Ltd Engineers, GLOUCESTER.

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Suitable for all Temperatures and Pressures

## DANTO ROGEAT & CIE.

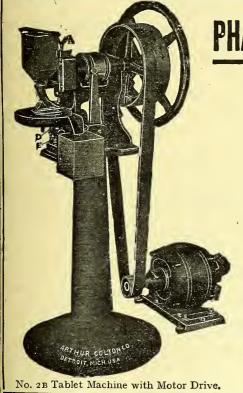
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Suppliers before the War to the largest European Manufacturers of Chemical Products.

Write for Price List to Sole Representative:

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# PHARMACEUTICAL MACHINERY.

# EFFICIENCY RELIABILITY ECONOMY

are the three most important points to bear in mind when you are purchasing, but you have the guarantee if you obtain from

# THE ARTHUR COLTON CO., DETROIT, U.S.A.

Manufacturers of up-to-date Pill and Tablet Machinery, Collapsible Tube Fillers and Closers, etc.

SOLE BRITISH AGENTS:

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PRICE LISTS ON APPLICATION.

ESTABLISHED 1839.

PROTECTIVE OVERALL CLOTHING

CHEMISTS & DRUGGISTS

WAREHOUSE COATS,

7/11, 10/6, 14/6, 17/6,

WHITE DRILL JACKETS, 6/6, 7/6, 10/6.

WHITE DRILL LABORATORY COATS, 10/6, 12/11, 14/11.

BLACK DRILL WAREHOUSE COATS, 15/6.

Postage on Coats 6d. each.

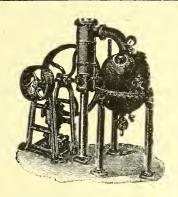
POST ORDERS Promptly and Carefully Executed.
We pay postage on all orders ever 20/.
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STOCK SIZES, 34 to 44 Chest. When writing us measure Chest over waistcoat,

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Write us for copy of New Illustrated Style Booklet and Patterns of New Acid-Proof Clothing.



STILLS, VACUUM STILLS, VACUUM PANS.
EVAPORATING PANS.

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SPECIAL APPARATUS AND PLANT
FOR MANUFACTURING CHEMISTS.

SOLE MAKERS of BENNETT'S PATENT'IDEAL'
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BENNETT, SONS & SHEARS, LTD.

ENGINEERS & COPPERSMITHS,

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**FOR** 

Approved Sheep Dips (Liquid, Yellow Powder and Fly Paste), Fly Powders. Sheep and Bloom Colourings. Maggot-Fly Oil, Disinfectants (Liquid and Pink Powder), Weed Killers (Liquid and Powder), Embrocation, Seed Dressings.

Attractively packed under "own name." Prices on application,

BATTLE, HAYWARD & BOWER (formerly BATTLE, Wictoria Chemical Works, Lincoln

# CUFF'S FLY OIL

For Maggots in Sheep.

The cure for this troublesome complaint that has stood the test of nearly a hundred years.

Write for lowest carriage paid terms and Window Shaw allowance.

## J. H. CUFF & SONS,

Wholesale Chemists and Druggists,

(Harcombe Cuff Ltd.)
453 Caledonian Road

London, N.7.



#### RETAIL PRICES:

3/-, 7/-, 15/-, and 23/- per tin.

Invoiced to the Trade at

2/9, 6/6, 14/6, and 22/6 respectively, and subject to 20% discount.

Carriage paid on orders of 40/- net. Postage charged on small lots.

B. C. TIPPER & SON,

he Veterinary Chemical Works, BIRMINGHAM.

# The "ROLO" FLY CATCHER

THE "BEST SELLER" OF THE SUMMER SEASON.

Neat and attractive in appearance, clean to handle and easy to open (the fingers cannot come in contact with the gum), the "ROLO" is at once both useful and ornamental.

Evenly spread on both sides with our special non-drying gum, it is also very highly effective, being, in short, the ideal Cemetery for Flies!

The Medical Profession | The War Office, too, have been recommend-bught large quantities ing the "ROLO" Fly for the use of the troops Catcher for over twenty | Mesopotamia and Salonica.

Made in two sizes - 1d. and 11d.

STONEHOUSE BROS.
High Street, Old Basford,
NOTTINGHAM.

An exceptionally good profit, quick sale and no risk of large stocks at the end of the season, as you can buy little and often, and have delivery within 36 hours by passenger train.

Send to-day for samples and prices, or order through your usual wholesaler.



During the summer months it will pay you well to push the Wasp Flyband. Neat, hygienic and clean to handle; it has the quickest and biggest sale of any flytrap.

The Wasp holds flies firmly, keeps its condition and satisfies all users. Quick turnover, steady business and liberal protected profit.

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remains perfectly adhesive and effective for a long time and the container catches all drips. Prompt Deliveries.

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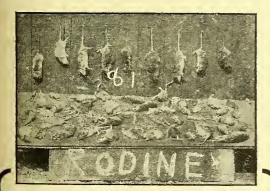
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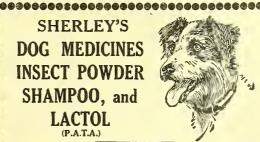
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## WANTED-Chemists to sell 'Ready Rat Relief' & 'Outem'

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SHERLEY'S DOG MEDICINES INSECT POWDER SHAMPOO, and



These preparations command a ready sale, and are by far the largest advertised of any on the market.

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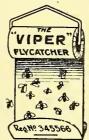
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EASILY the daintiest flycatcher on the market. The pleated tape is kept in a bath of gum and is thus freshly smeared at the moment of withdrawal for use.

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CHEMISTS stocking DAK know how their sales have increased recently. The new size, a response to an insistent demand, will be featured in advertising, reaching, probably, most middle-class homes in the Kingdom. You are sure to be asked for it. If you order from your wholesaler we will gladly send you advertising matter on request; by sending us your name you enable us to refer local enquiries to you.



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# ID DRUGGIST THE CHEMIS 42 CANNON ST. LONDON E.C. 4 JUNE 16, 1923

This Supplement is inserted in every copy of The Chemist & Druggist;

# SPECIA

In view of the enormous amount of detail work involved in the production of this Issue, it must be put to press a day earlier than usual.

All advertisements intended, therefore, for the Coloured Supplement of June 30, must reach 42 Cannon St., London, E.C.4, not later than 5 p.m.

WEDNESDAY, JUNE

otherwise insertions cannot be guaranteed until the issue of the following week (July 7). Advertisements for the Supplement of June 23, received until Thursday Morning June 21

# LOSING FOR PRESS.

ADVERTISEMENTS INTENDED FOR THIS

UST REACH US OT LATER THAN FIRST POST THURSDAY MORNING.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

h.—CITY (Near).—Old-established Business, situate in busy an thoroughfare; gross receipts exceed £5,000; lock-up armacy; price £4,000.

2.—FULHAM.—Cash Retail Business, with N.H.I. Dispensing, working-class district; giving a net profit of £900 per num; double-fronted shop, well stocked; Vendor's own protty, which he desires to dispose of; 71 years' lease; sublet s. 6d. weekly; price £2,250 with property, or £1,650 for single only. siness only.

5.—PUTNEY HILL (Near).—Brisk Retail Business, well ted shop, corner position; returns last year, £1,740; gross offt above the average; terms, lease and goodwill, £150; ck and fixtures by valuation, in all about £800.

4.—KENT (Good Residential Suburb).—Well-established Busiss, situate in close proximity to Railway Station; returns tween £2,500 and £2,750; scope for extension; well-fitted shop d residence; held on lease; terms, lease and goodwill, £400; ock and fixtures by valuation.

S.—EARL'S COURT STATION (Near).—Very old-established isiness; returns, present rate, £23 weekly; scope for development under personal supervision; double-fronted shop, corner sition; well-fitted and fully stocked; residence sublet, giving profit rental of £18 yearly; price about £1,050.

5.—LONDON, S.E.—Ready-money Business; returns, Present to £25 weekly; the shop has recently been partly refitted; all residence; rent £45; price £525.

C-LONDON, S.W.—Family Retail, Dispensing and Photo-aphic Business; established many years; returns average about 250 per annum; estimated net profit, £400; double-fronted op; Vendor estimates value of stock and fixtures at £900; comed house, private entrance, nice garden; rent, £80; held lease; price £1,150.

B.—HANTS (Coast Town).—Good-class Dispensing and Retail siness, with Kodak Agency; shop faces new estate of large

May be consulted at their Offices on matters of Sale, Purchase and Valuation houses in course of erection; returns, £50 weekly; large double-fronted shop, handsomely fitted and fully stocked; 21 years' lease; price to be arranged.

9.—BUCKS.—Well-appointed Pharmacy; capitally situate in a residential locality; returns, £4,500; net profit, 25 per cent.; well fitted, single-fronted shop, heavily stocked; there is a residence with bathroom; price for business and property to be agreed equitably.

10.—SALISBURY (Near).—For disposal, half share Partnership in two businesses, both of which are unopposed; the total net profit is £1,400; the investment is suitable to a young energetic man; price, £1,500.

11.—NORTH WALES (Health Resort).—General Retail and Dispensing Business, with little mixed trade; the business has been under management since it was established in 1895; returns last year, £1,061, with scope for much increase; double-fronted shop, small living accommodation; rent £25 per annum; held on lease; price £750, or near offer entertained.

12.—DORSET (Near Coast).—Middle-class Cash Retail Business; returns at the rate of £1,250 per annum, at usual prices; single-fronted shop, fairly fitted and well stocked; no living accommodation; rent £60; low rates; held on lease; price £600 cash.

13.—LINCS. (Coast Town).—Good-class Cash Retail, with Photographic and Optical; returns average £2,000 per annum; gross profit, 40 per cent.; double-fronted shop, handsomely fitted in mahogany; good living accommodation, with bath room; long garden, farge greenhouse with vines, garage; Vendor's own property, which must be sold with the business; price £3,200.

14.—WEYMOUTH (Near).—For disposal through death of proprietor. Retail and Dispensing Business, with Optical connection; returus, £2,530; present rate less; there is scope for increase under energetic management; valuation terms for increase entertained.

# Valuations for Stocktaking and Valuation, it is often omitted and eventually of cause of confusion and loss,

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# BERDOE & FISH

Valuers and Transfer Agents, 41 Argyle Square, KING'S CROSS, W.C.1.

(One minute from St. Pancras and King's Cross Stations.)

(One minute from St. Pancras and King's Cross Stations.)

1.—EAST COAST.—Good-class Cash Business, in central position of busy town; returns £2,000; plenty of scope; handsome modern pharmacy and excellent living accommodation; price, with property, £3,200, mortgage can be arranged.

2.—DEVON.—Mcdium-class Cash Retail, in large town; returns over £1,100; net profit about £350; moderate rent, on long leave; good house attached; double-fronted shop, well stocked; price £750.

3.—KENT (50 Miles Out).—£650, or close offer, sccures a thorough genuine business; practically unopposed; returns, about £25 weekly; very profitable; rent, £40, on lease; "roomed house, excellent stock.

4.—LONDON, W.—Good-class Business, in excellent position; present returns £40 a week; scope for doing double in smart hands; large double-fronted shop; splendid windows; good stock; price for quick sale £1,000 cash.

5.—LONDON, S.W.—Good-class Suburban Retail, with Kodak Agency; returns £1,740; good profits. Fine corner Pharmacy, main road position, low rent. Price, about £800.

## TO INTENDING VENDORS

SPECIAL NOTICE.-Having a very large number of genuine buyers seeking businesses, from £800 to £3,000, in all parts, especially Home and Southern Counties, South Coast and Midlands, we are able to effect speedy sales without any publicity, and cordially invite correspondence and applications for our terms. Also a superior business is required for a client with £4,000 cash at command,

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2.—LONDON, N.—Good Retail Business, taking £1,500 per annum; well-stocked and fitted; little opposition. Two good living rooms; 7 years' lease, with rent, £52 per annum; inclu-sive price, £950.

3.—GOLDERS GREEN.—Finely situated Portrait Studios and Photographic Business; lease 8½ years, at £175 per annum; premises consist of basement, double-fronted shop, and 3 floors above. Full particulars on application to this office.

4.—OLD KENT ROAD, S.E.—Retail Cash Business; well studied; premises held on lease—4 years at £75; premises sublet at £50; turnover, approx. £25; full particulare on application.

5.—SOUTHAMPTON.—Old-established Chemist and Druggist's Business, situate in good working-class district; good Dispensing practice; property can be acquired, or lease could be arranged; small stock. Full particulars on application.

6.—WANTED.—North of England, or East or West Coast, Retail Chemist and Druggist's Business, with turnover £2,500-£3,000 per annum; or would entertain neglected Business if scope for development; capital available, £1,500. Fullest particulars to this office.

STCCKTAKING.—Now is the time to take your stock. Perhaps it is too much trouble or you have not the time to spare. Then why not consult the Practical Firm who will do this work for you for a small inclusive fee, without interference with your work? For full particulars write as above.

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SOUTH COAST.—Returns £1,100. Good, double-fronted, electric lighted Shop and Premises; light middle and working-class trade; good opening for Photography; price £750.

MIDLANDS.—Returns £1,500. Light Retail and some Wholesale; large double-fronted shop in busy working-class thoroughfare; price £600.

KENT.—Returns £800. Double-fronted Shop and good House; neglected; capable man can much increase; low rent; price £550.

ESSEX.—Returns £1,300, under managemeut; General Light Retail in fine position; good double-fronted shop; lease.
BUSINESSES WANTED.—South, cash £1,500 to £2,000; Midlands, cash £1,500; another, cash £3,000; Yorks., cash up to £3,000.

#### BUSINESSES WANTED.

GOOD-CLASS Business wauted immediately, with good living accommodation and carden attacked at the control of th accommodation and garden attached; turnover £3,000, with plonty of scope for increase; purchase price-to be paid in instalments; living accommodation, etc., not necessary if in London. 27/849, Office of this Paper.

WANTED, a Business; London or suburbs; cash ready. Particulars, in confidence, "R.," 26, Beckwith Road, Herne Hill, S.E.

WANTED immediately, smart, up-to-date Drug Store. State rent, returns, and full particulars lowest price for cash, in confidence, to 10 Henry Street, Handsworth, Sheffield.

#### FINANCIAL.

WANTED, one hundred Chemists to invest ten pounds each on a profit-sharing basis, in an established Wholesale business; there are great possibilities behind this in the coming winter's trade; a minimum of ten per cent. guaranteed, with reasonable security for your money. 105/34, Office of this Paner Paper.

A PPLICATIONS invited from gentlemen of integrity and capacity who have capital available for a vacancy of Directorate of Private Limited Company, established 1907 (Retail); bankers' references to be exchanged preliminary thegotiation. 105/5, Office of this aPper.

#### AGENCIES.

CHEMICAL Glassware of all descriptions, especially high-class Apparatus and Precision Instruments. Well-known firm of manufacturers in Germany would like to communicate with London firm to take over Sole Agency for Home and Export trades. Established connections and guarantee as to turnover essential. Write, stating full particulars, to O. O., c/o J. W. Vickers & Co., Ltd., 5 Nicholas Lane, E.C.4.

PRENCH Perfume de Luxe Company, beautifully packed and labelled, wants Chemist or Perfume Manufacturer to take Sole Agencies for England and Ireland on royalty basis; rare opportunity. Address, P.C.B. 43/8, Office of this Paper.

SURGICAL Instruments.—Well-known firm of high-class manufacturers in Germany would like to communicate with London firm to take over Sole Agency for Home and Export trades. Established connections and guarantee as to turnover essential. Write, stating full particulars, to "D. C.," c/o J. W. Vickers & Co., Ltd., 5 Nicholas Lane, E.C.4.

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The Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BEDFORD.—For Sale, a corner block of Freehold Premises, 2 shops, one with living accommodation, the other a lock-up Chemist's shop, with electric light and 2 rooms on same floor; well stocked; in same hands 48 years; a fine opportunity for an enterprising firm; in midst of industrial and residential population; price for the whole, including Chemist's stock, £2,700. Apply-Owner, 24 St. Augustine Road, Bedford.

BURY, LANCASHIRE.—Exceptional opportunity to acquire a really sound and genuine old-established Chemist's Business; spleudid stand; good returns; beautifully fitted; nice living accommodation; lease; immediate possession; £1,500 required. Also two good Businesses, thickly populated town near Pontypool; rare chance; owner retiring; particulars stamped envelope. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester.

CHESTER.—For Sale by private treaty; old-established Free-hold Chemist's Shop in main thoroughfare, with good living accommodation, together with the excellent shop fixtures, stock and effects; bargain price for a quick sale. Apply, F. W. Wragge, Auctioneer and Valuer, 3 Woodlands Road, Hough Green, Chester.

CITY Pharmacy; one of the busiest spots; handsomely fitted and heavily stocked; all cash trade; close one o'clock Saturday; no Sunday duty. Particulars, apply Passco, 5 St. George's Road, S.E.

CORNWALL.—Nice class Dispensing, Family and Agricultural business in pleasant market town; short distance from coast; returns £4,000; Kodak agency; 8-roomed house; electric light; cash price for immediate sale £2,500, or nearest offer. Applicants please state Banker's and Wholesaler's references and barliest date for inspection. "Tenant," 105/27, Office of this Paper.

DEWSBURY (Near).—Mixed Retail and Prescribing; estab. 36 years; turfiover about £2,050; net profit £550; price property, fixtures and goodwill £1,000; stock at valuation about £650. Marsden, Chemist's Valuer, Mayfield Road, Bridlington.

PAST COAST SEAPORT.—Does any live Business Chemist want to buy a genuine, reliable Cash Dispensing Business in busy part of town, magnificent fittings, splendid stock, owner retiring? This opportunity rarely occurs. Bankers' references exchanged. Personal application only entertained. Price \$2,750. Suitable lease granted. 102/26, Office of this Paper.

PAST Coast, healthy seaport.—Good middle-class Family trade with fair amount of Prescribing, also Optics and Photographics; average turnover £2,000; net profit £500; large shop, excellently fitted; house attached, 8 rooms, garage, garden and greenhouse; price for the lot £3,200; mortgage could be arranged. C. C. Marsden, Valuer, Mayfield Road, Bridlington.

LONDON, near.—High-class General Retail and Dispensing Business for Sale, old cstablished, in good position in main road; well fitted and good working stock; electric light, telephone; capable of expansion; N.H.I. Dispensing and Photography could be added; price to be arranged. Apply 104/37, Office of this Paper.

LONDON, S.W.—Drug Stores, lock-up, situated in main road; returns now £20 weekly under management; exceptional chance for a chemist introducing Dispensing and N.H.I.; price £630. Apply 102/34, Office of this Paner.

NORFOLK.—Two Businesses in same town; unopposed; only one other chemist within a radius of 10 miles; main business established 100 years, and one of the best fitted Pharmacies in the Eastern Counties; electric light, gas, central heating, ample warehouse accommodation, and specially fitted dark rooms; Kodak and Ucal Agencies, also a little Optics, which can be considerably extended by qualified Optician; good house, bath, h. and c., small garden; present returns average £78 per week; rent £93 on lease, 11 years to run; price, lease, goodwill, fixtures, fittings and utensils, £2,000, and stock at valuation, about £1,400. Branch, nice shop with house attached; present returns £35 per week; rent £35 on lease, 18 years to run; price, lease, goodwill, fixtures, fittings and utensils, £800, and stock at valuation, about £600; bankers' and trade references required. 102/21, Office of this Paper.

NORTH-WEST Lancashire Coast Town. — Well-established Pharmacy and Surgical Business; freehold property; good living accommodation; takings over £1,000 per annum; could be doubled by energetic man; mostly Prescribing and Surgical Fitting; would suit unqualified or qualified man. Apply 102/14, Office of this Paper.

COTLAND.—Large high-class Retail and Dispensing Business for Sale, old established, in tourist centre; excellent opportunity for one or two with the necessary capital; freehold could be purchased if desired. Apply, with reference, 103/25, Office of this Paper.

SHEFFIELD.—Immediate sale through ill-health, Drug Store, established 1911, supplying the need of a large middle working-class district; no opposition for considerable distance; N.H.I. badly needed; double shop frontage, with good living accommodation; possession on completion; £760. Only applications from qualified chemists entertained. Full particulars, E. V. Whitworth, Watson's Walk, Sheffield.

SOUTH WALES.—Lock-up Shop; returns last year £1,100 at good profit; central position in main street; scope for great increase; Medicated Wine Licence; opening for Photographics, Seeds and Optics; well stocked and fitted; expenses very low; rent £26 per annum; open for any inspection; price valuation. 104/14, Office of this Paper.

SURREY, 14 miles London, best part main road, rapidly growing country town.—High-class Pharmacy; double-fronted; good living accommodation and garden; average returns £1,700, showing 354% gross; could be easily increased; accounts audited; owner retiring after 12 years through failing health; being free-holder will grant lease on favourable terms; price £1,600 met for lease, goodwill, fittings, and good full stock. For particulars apply 95/14, Office of this Paper.

BUSINESS for disposal, with living accommodation, mining district, Durham County; shop fitted in up-to-date style, solid mahogany fixtures, gold recess labelled bottles; takings present rate £700-£800 annually; has done £1,300; N.H.I. about 230 monthly; no opposition. For price and further particulars apply 27/847, Office of this Paper.

BUSY Shop, doing £10,000 per annum or more, and capable of considerable increase; for suitable man with capital (or two men) an ideal proposition; anyone desiring particulars of stock, goodwill, fixtures and transfer of lease must send bankers' references. 102/7, Office of this Paper.

TMPORTANT Midland city.—Old-established, neglected thickly populated working and middle-class district; opposition nominal; general Drug, Disponsing; opening for N.H.I., Optical and Dental; cash trade; commodious shop; long lease; excellent opportunity for pushing man; easy lease, fair stock, fittings, £600. 105/26, Office of this Paper.

IN good market town; old-established Dispensing and Retail Photographic, with good Optical connection; also Wine licence; good fittings, etc., and well stocked; farmers specially catered for. Address, "B. J.," 104/6, Office of this Paper.

THE Proprietors of British Patent No. 15,403 of 1912, relating to "Coagulated Emulsion of Cod Liver Oil or the like with a palatable preservative coating and method of producing the same," desire to enter into negotiations with one or more firms in Great Britain for the Sale of the Patent Rights or for the grant of Licences to Manufacture under royalty. Inquiries to be addressed to D. Young & Co., 11 and 12 Southampton Buildings, London, W.C.2, Chartered Patent Agents.

WANTED, Partner in old-established and very profitable business in artisan district, on main thoroughfare of large town in Yorkshire; owner intending to shortly retire; returns for last three years average £2,344; latterly much neglected; splendid opportuuity for suitable man. Full particulars given, and received, in confidence. 103/39, Office of this Paper.

#### TO LET.

HULL.—To Let, Corner House and Shop; been used as a Chemist's and Druggist's for over a century; fixtures and ingoing £200. For full particulars apply Fisher, Great Union Street, Hull.

#### FOR SALE.

FIXTURES for Sale.—Executor of will of A. R. Awbery, Henley-on-Thames, offers for Sale Fixtures and Fittings of Shop, consisting of 3 mahogany counters, 5 plate-glass show cases, nests of drawers, bottles, etc.; whole or part; no reasonable offer refused; can be inspected by appointment. Apply, M. S. Awbery, Market Place, Henley-on-Thames.

## PREMISES FOR SALE.

NO PREMIUM.

HARROW.—Important Business Premises adjoining large drapery store. Fine position, opposite station and bus stage. Large shop, with showroom or rooms over; rent £250, or freehold for sale. Unique opportunity for high-class chemist. Clarke & Co., The Harrow Estate Offices. Tel. 219.

## APPRENTICE.

WANTED to apprentice a youth, aged 18-19, in a good-class Dispensing business; passed Preliminary; facilities for study desired. Apply "Apprentice," 105/22, Office of this Paper.

#### SITUATIONS OPEN.

[HOME.]

#### RETAIL.

The Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BIRMINGHAM.—Junior required, male or female, experienced Drug Counter; no dispensing. Apply, stating salary and experience, 105/16, Office of this Paper.

PRISTOL.—Qualified Assistant (lady) at once for Dispensing and Counter. Apply, with full particulars, to S. M. Lennox, Chemist and Optician, 82 Stokes Croft, Bristol.

FAST Coast Seaside Resort.—Assistant wauted at once for season; good Dispenser. State age, height, salary (indoors or outdoors), names of two last employers, 104/35, Office of this Paper.

HARROGATE.—Wanted, Junior Assistant (male), gentlemanly appearance, for light Retail and Dispensing business. Reply, with full particulars as to salary and experience, Benjamin, 57 Cold Bath Road, Harrogate.

HOME COUNTY.—Smart, tall, gentlemanly Assistant; good Salesmansbip and Photographic knowledge essential; must be well recommended. Give particulars of previous experience, references, and salary required in first letter. 103/36, Office of this Paper.

LONDON.-Locum, unqualified Assistant, male, young, with suburban experience, from September 9 to October 4; state terms; good references required. Harrington, 137, Woodlands Road, Ilford, E.

I ONDON.—Locum wanted, unqualified, experienced, for a fortal night in August, preferably 13tb to 27th; good references and knowledge of Photography essential; abstainer preferred. Apply personally between 12 and 1.30, or by letter, stating experience, age, and salary required, to A. M. Sharp, 177 Cricklewood Broadway, N.W.2.

LONDON, N.—Competent unqualified Assistant; must be reliable Dispenser, good Counterman, and have knowledge of Photography; highest references essential. Apply, stating age, height, full experience, and salary required (outdoors), to Dow Brothers, 44 Seven Sisters Road, Holloway, N.7.

LONDON, N.—Smart lady Assistant wanted for Tottenham. State particulars of experience and salary required to Marshall & Co., 78 High Street, Kingsland, E.8.

LONDON, W.—Unqualified Assistant required; must be a smart Counterman and accurate Dispenser, with good Photographic knowledge. Apply, giving full particulars, to 105.3, Office of this Paper.

June 16, 1923

MANCHESTER.—Wanted, qualified Locum from July 23 to August 18. Please give usual particulars, with age, salary expected (outdoors). Applications not answered in four days respectfully declined. 102/33, Office of this Paper.

PICHMOND, SURREY.—Smart, tall Junior Assistant wanted, with Dispensing experience, for good-class Store trade; comfortable hours and no Sunday work. Apply personally between 10-12, or by fetter, to Coppen Bros., Ltd., 12½ Carey Street, Vincent Square, Westminster, S.W.1.

SCARBOROUGH.—Young qualified male Assistant for season, to supervise Photographic Department and relieve in Pharmacy for meal times, etc.; must understand thoroughly Photographic Printing and Enlarging. State age, salary, experience, to Whitfield & Son, Filey Road, Scarborough.

S OUTHSEA.—Qualified Assistant, male; good appearance; must be capable of all duties of a shop; knowledge of Wholesale (not essential). State lowest salary, age and references (copies only). 104/54, Office of this Paper.

UNDERLAND.—Wanted, an experienced, qualified Locum. of good appearance and address, from about August 27 to September 15; references must bear strictest investigation. Terms and full particulars to "Pharmacist," 42 Percy Terrace, Sunderland.

YORKSHIRE.—Qualified Manager wanted for a quick cash business; must have knowledge of Photography, also good Counterman. State salary and references. 104/21, Office of this Paper.

A POST will be vacant shortly for lady Minor with Retail and Dispensing experience. Full particulars, salary required, non-resident, London, 104/27, Office of this Paper.

A SSISTANT required; age from 25 to 30; must be accurate Dispenser, smart Salesman and Window-dresser, with Photographic knowledge: Apply by letter, giving full particulars, to 27/851, Office of this Paper.

A T once, smart young qualified Assistant, used to a quick middle-class trade, and preferably with a knowledge of Photography. Apply, stating salary required and previous experience, to C. Woollons, 28 Kilburn Lane, W.10.

AT once.—Junior Assistant (aged 20-28); Counter, Dispensing and Photographic; Croydon district. Apply, stating salary, etc., to 104/7, Office of this Paper.

CENTRE of large city.—Wanted, Assistant with wide experione, all branches, capable of running Retail side of city business; good Counter work, with speed and knowledge demanded; several other Assistants, ctc., kept; excellent opportunity for good man; outdoor; close Saturday at one; no night or Sunday duty. State salary required and references to 102/70, Office of this Paper.

COMPETENT Assistant wanted, accustomed to first-class Dispensing and Retail business. Write, giving full particulars of experience, age, references, etc., to II. J. Perrett, 90 Victoria Street, Westminster, S.W.

DEVELOPING and Printing.—Young lady for printing Velox; must be quick; used to best work; modern apparatus. State experience and salary required. Bathe, 24 Fleet Street, Torquay.

FOWLER, 56 London Road, Southamptone requires Assistant immediately. Send full particulars and if possible photograph, to be returned.

RENCH Pharmacy requires an experienced Assistant, speaking the language fluently, and well up in Foreign Proprietaries. 105/12, Office of this Paper.

GOOD opening for qualified man, young, with limited company, Central London. State salary required and all particulars to "Chemicals" (P.C.B. 43/15), Office of this Paper.

JUNIOR wanted, well up in Photographic work. Give full particulars as to experience, wages required to P.C.B. 45, 19, Office of this Paper.

JUNIOR; General, Photographic and Dispensing. State age, salary, and references; interview before 1 p.m. daily. H. E. Classey, Pharmacist, Colliers Wood, S.W.19.

LOCUM, young, wanted July 2 to August 4; Photography state terms. Jack L. Robinson, 89, Linthorpe Read Middlesbrough.

MANAGER required at once for mixed country business: cash hours; full half day; no Sunday duty; state salary, sent references; wanted now. Holford Meyer, Chemist, Highley neal Kidderminster.

MANENCY.—Qualified young man required (outdoors) for ispensing and usual Retail business; N.H.I.; must be late in prices, methods, etc.; knowledge of Photographics I. Reply by letter only, stating age, experience, refersalary, etc., to "A. A. B.," 32 Brookwood Avenue, salary, S.W.13.

LIFTED Chemist, not less than 28 years of age, possessing good experience and undeniable references; preference to applicant baving knowledge of Veterinary and Agrial business. State salary, experience, age, and date when aged. Martyn's Stores, Ltd., Wolverhampton.

LIFIED Manager required for Light Retail and Dis-pensing husiness situate in London; must be a man with d personality and varied experience; house attached. 20, Office of this Paper.

LIFIED Male Assistant, or experienced urqualified, anted, for high-class Dispensing and Photographic busi-Reply, with full particulars, to Thomas & Gregory, The Pharmacy, Cheltenham.

LIFIED, energetic and experienced married man required or Branch Business; must have good business ability and I recommended. Full particulars of experience, age, height, , etc., to Managing Director, Henry Hodder & Co., Ltd., son Street, Bristol.

ALIFIED Chemist as Joint Manager, preferably young un-narried man; Dispensing and General Retail Business; edge of Photography and good Window-dresser; state full s of career, experience, age, salary, and when at liberty. ation by letter to Prosser's, Ltd., Walkdeu, Manchester.

LIFIED Assistant (male); good-class Dispensing experi-nce essential. State age, experience, and salary (out-photo if possible. Gould, 1 Broad Street, Teddington.

LIFIED Senior Assistant required; applicants sbould ave had first-class experience; please state full particulars; t references essential. T. B. Cattell's Exors., 22 and 24 Street, Sutton Coldfield.

LIFIED Locum, gentleman, July 9-21; good Countor, ispensing, Prescribing; no Panel. Lewis, 172 High Road,

LIFIED Assistant (Minor or Major), 25, wanted for iddle of July by West-End Chemist; a good Dispenser.

RT qualified Assistant for Devon; male, single; good unterman, reliable Dispenser, knowledge Photography; ge, experience, salary. Apply, with three recent references boto, to "X. Y. Z.," 100/32, Office of this Payer.

CRIOR young Pharmacist wanted, having had first-class ispensing and high-class Counter experience; permanent regressive position. Confidential application, if possible hotograph, "Director," Philip Harris & Co., Pharmacists, areas.

UALIFIED Junior (male) for Light Retail and Photo-raphic business; outdoors; easy hours; no Sunday or y duties; no N.H.I. dispensing. State experience and required, with references. Hirst, Pharmacist, Slaith-near Huddersfield.

UALIFIED Assistant required immediately for a quick asb Retail and Dispensing business, situate in the Midpermanency; applicants must have had good Dispensing lotographic experience. Apply, stating salary required and at liberty, to 102/22, Office of this Paper.

UALIFIED, accustomed to good-class business; reliable bispenser. Please state salary required. W. Johnstone, Park, Birmingham.

ANCY occurs in an old-established, high-class business of a Pharmacist, who must have had good, all-round except particularly in Dispensing; the post is one offering for a man of initiative and ability. Applicants please full particulars of experience, also whether married or salary required, and when services are available. 104/17, of this Paper.

# Returning Photos, &c.

vertisers in this section who receive portraits and copies testimonials from applicants, with a stamped addressed elope for reply, are reminded that the undue retention these often means a hardship to the sender. All personal numents should be returned as promptly as possible after perusal.

WANTED, Junior Assistant (male); quick and accurate Dis-penser. State age, experience, and salary to C. J. Allan, Chemist, Redcar, Yorks.

WANTED, a qualified Assistant (gentleman) who has had good experience in Dispensing; age not over 30; salary offered £5 per week. Apply, giving full particulars, to D. P. Roberts, Chemist, Poplar Walk, Croydon.

WANTED, qualified Chemist to assist in management of limited company in Liverpool district. Reference and particulars of salary, etc., "G.," 12 Gloucester Road, Bootle, Liverpool.

WANTED, capable Assistant; age 21 to 25; good appearance and accurate Dispenser, with knowledge of Photography and good-class Counter work. Apply, stating age, experience, salary required, Harrison, Chemist, Grayshott, Hants.

YOUNG Ládies with knowledge of prescription reading and experience in Retail Pharmacy required for clerical work in London. Reply, 103/3, Office of this Paper.

#### WHOLESALE.

LANCASHIRE.—Young and energetic Pharmacist for business in market town serving an agricultural district; must have good character and experience and some knowledge of veterinary business. Give full particulars in first letter, stating age, salary required, and date when disengaged. 102/29, Office of this Paper.

LANCASHIRE Druggists' Sundries House has vacancy for capable and energetic Traveller with good connection; partitime not objected to providing goods do not clash; salary and generous commission. In reply state full particulars and ground covered. 105/28, Office of this Paper.

A REPRESENTATIVE, with undoubted connection amongst Retail Chemists, is wanted immediately to work part of Lancs. (including Manchester) and West Ridding of Yorks., small salary, generous commission, to introduce important Proprietary line about to be well advertised in press, etc.; sole services preferred, but one other good line would not be objected to; only really first-class salesmen need apply; excellent opportunity. Box N.698, Lee & Nightingale, Advt. Offices, Liverpool.

A Nold-established Chemists' Sundries, Surgical Dressings, Fancy Goods house offer falary and liberal commission to a live and tactful Salesman, with car preferred; Manchester and Cheshire area. State past experience in confidence to 27/848, Office of this Paper.

CHARGE-HAND, with experience in packing and finishing Chemists' Counter Specialities. Apply, stating age, experience, and wage required, Southall Bros. & Barclay, Ltd., Birmingham.

CHEMIST, qualified, able to coutrol staff, required by provincial Wholesale House; must be thoroughly experienced in the manufacture of Galenicals by up-to-date methods. Pleaso give full details of previous experience, age, and salary required. 105/8, Office of this Paper.

LABORATORY.—Tincture Porter required; able to make tinctures if required. State age and wages expected. 27/850, Office of this Paper.

OLD-ESTABLISHED firm with good connection require reliable Representative for (1) Northumberland, Durham, Eincolnshire, and part Yorkshire, (2) Notts, Leicester, Worcester, Warwickshire, and Fancy Goods; generous commission terms to the right man; state exact territory, how long worked, and what other lines carried. "Tuskoid," 99/32, Office of this Paper.

PROPRIETARY Firm desires Representative calling on Chemists throughout Lancashire carrying one or two other lines; state whether the above territory is worked by ear, also mention all commissions at present held. 102/30, Office of this

REPRESENTATIVES required by old-established London manufacturers of Toilet Scaps, Perfumery and Toilet Requisites; commission or part guarantee. Write, giving full particulars of experience, territory covered and terms, etc., to 26/843, Office of this Paper.

PEPRESENTATIVES or Agents required for England, Scotland and Ireland to sell Essential Oils, Perfumery, Olive Oils on commission, calling upon Soap Manufacturers, Perfumers and Wholesale Chemists. Write, stating ground covered, 26/842, Office of this Paper.

REPRESENTATIVES required to sell Bottles as a side line on commission, calling upon Chemists, Doctors, Hairdressers, etc. Write, stating ground covered, 26/841, Office of this Paper.

REPRESENTATIVES.—Real live Representatives are required by firm of Manufacturers issuing the quickest selling and repeating line of the year; liberal commission is paid on all business off the ground, and present connection handed over. The following territories are vacant:

(A). Northern Counties.

(B). Yorkshire.

(C). Manchester and district.

(D). Birmingham and Midlands.

(E). Wales.

(F). Kent, Surrey and Sussex.

Present Representatives are earning £200 a year. Only men with live connections entertained. Applicants must state, in strict confidence, lines already carried to 26/845, Office of this Paper.

REQUIRED by young progressive firm, high-grade Representatives calling on Chemists to sell first-class preparations as side lines. Write full particulars (in confidence) of qualifications, territory covered, lines carried, and remuneration suggested. Whole-time applications on commission basis considered. 103/2, Office of this Paper.

SALESMAN wanted, with sound connection among Hairdressers and Chemists, to carry Toilet articles and Perfumery at very keen prices; mere "order takers" not wanted; salary, commission and expenses to live men who can sell the goods. State age, experience, details of connection, turnover, etc., to "Brilliantine," 100/3, Office of this Paper.

S MART youth required for manufacturing work by West-End firm (Toilet Preparations); good prospect for active, willing worker aged about 18 to 20. Give full particulars of previous experience, if any, state age, and salary required. 99/10, Office of this Paper.

TRUSS Fitter.—Salesman wanted for London district. Applicants must state experience, age, and wages required. Apply to Box 173, Harwoods Advt. Offices, 21 Warwick Lane, E.C.4.

TRAVELLERS, with sound connection, offered attractive quick selling side line; several counties available, and exclusive representation given therein; state exact ground covered and at what intervals; Buying Agencies considered. 101/17, Office of this Paper.

WANTED by oldest house in Medicinal Capsule trade Representatives ou commission basis for the following areas:—No. 1, London; No. 2, Ireland; No. 3, Cheshire, Shropshire and Staffordshire; No. 4, Derbyshire, Nottinghamshire, Lincolnshire; No. 5, Herefordshire, Worcestershire, Warwickshire, Leicestershire and Rutland; No. 6, Norfolk, Suffolk and Cambridge; No. 7, Essex, Hertfordshire, Buckinghamshire and Middlesex, excluding London; No. 8, Oxford, Gloucestershire and Berkshire; No. 9, Wiltshire, Dorset and Hampshire; No. 10, North Wales; No. 11, South Wales. Only men with sound connections considered. 26/846, Office of this Paper.

WANTED, several first-class Travellers with established connection, Retail and Wholesale; Perfumery trade and Chemist; excellent line, sells at 2s. 6d. retail, less usual trade terms; 20 per cent. commission; no salary. Apply by letter, giving full references and particulars of ground covered, to Ingenuities, 23a Old Bond Street, W.1.

W HOLESALE AND EXPORT CHEMISTS extending their business require the services of capable and pushing Representatives with established connections amongst Retail Druggists and Medical Practitioners; permanent and remunerative positions for first-class men. Particulars to "P.," 103/1, Office of this Papper Paper.

#### [COLONIAL, INDIAN AND FOREIGN.]

INDIA.—Qualified Assistant, 25-27, unmarried, required for British firm in Calcutta; 4 years' engagement; starting salary £30 per month, increasing yearly; passage paid out and home; excellent opening for smart man with good-class Retail, Dispensing and Photographic experience. Apply, with full particulars, P.C.B. 43/20, Office of this Paper.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country,

#### SITUATIONS WANTED.

#### RETAIL

## [HOME.]

2s. for 18 words or less; 6d. for every additional 10 v or less, prepaid.

A -ASSISTANT (29), unqualified, 12½ years' experience of pensing, Counter, Photo, Surgical and Window-drew Midlands preferred, but not essential; kindly state states 103/35, Office of this Paper.

A.-DISENGAGED August 3; Locum or permanency years' all-round experience; smart Manager; unqual Ireland preferred. Mr. Bedding, 345 Woolwich Road, Cha

ARTHUR FLOOD, late of Ealing, is open for Locum en ment for July; London or suburban; outdoors. 18 l Court, Camberwell New Road, S.E.5.

As Locum or permanency; highest references and exper-disengaged shortly. "Chemist," 176 Lewisham Road, S.E.4.

A SSISTANT, unqualified, requires engagement, Wholes Retail; accustomed Proprietary trade; distinctive Sho Ticket-writing. Carr, 29 Whitcomb Street. Ticket-writing.

A SSISTANT, 32, married, unqualified, energetic, seek manency as Manager Drug Stores; excellent refer "Rhei," 46 Stamshaw Road, Portsmouth.

A SSISTANT, unqualified, 40; London, Provincial and Co i experience in Dispensing, Counter, Photography, and Winderssing; abstainer; good references. 102/32, Office of i

A SSISTANT (unqualified) seeks permanent prospective to tion; 10 years' experience; smart, energetic, callexellent references. Apply "Energy," 32 Coin Street, Let

A SSISTANT (female), 20, with 5 years' excellent London rience in all brauches of Pharmacy, desires situation London preferred. "Assistant," 28 East Hill, Wandsworth

A SSISTANT, 30; unqualified; married; 12 years' expertance of Retail trade, knowledge Photography; permane Locum; disengaged June 23; excellent references; Midland referred. "Aspirin," 8 Westbourne Street, Hove.

A SSISTANT or Dispenser, lady, 21; 4 years' Pharma months' Medical; South Wales. Evans, 185 Gladstone Barry.

A SSISTANT, middle-aged, unqualified, seeks engagement a situation over 20 years. 105/17, Office of this Paper.

A SSISTANT, single; Dispensing, Counter; town and carrier experience; Dentist, certificated; moderate carbon," 105/21, Office of this Paper.

BIRMINGHAM or near, Apprenticeship for gentleman 9 finished Part I.; no salary wanted; experience main 30 102/8, Office of this Paper.

BOOK-KEEPING and Clerical Work; day or evenings. "X. Y. Z.," 70/2, Office of this Paper.

CAPABLE Young Man seeks berth as Manager with very partnership or eventual purchase; very successful is sent management of high-class business. 104/13, Office

CHEMIST, energetic, experienced in control of stan in organisation, seeks position where further developme cabe looked for. 103/33, Office of this Paper.

CHEMIST thoroughly recommends lady (Hall), young all energetic; accurate Dispenser; 1 year's experience of references. "M. E. G." (P.C.B. 43/27), Office of this Pa

MOMPETENT, reliable, qualified, 26, desires change; Se of manage branch; permanency preferred; excellent feces. "Rhei," 8 Westbourne Street, Hove.

DISENGAGED to July.—Experience includes Londo W "City, large provincial; all classes; well recomm det "Chemicus," 79 Cecil Street, Manchester, S.

DISENGAGED 22nd.—Reliable Locum; London, proceed experience; modorate terms; good references. "May cr. Waltons, Needham Market, Suffolk.

DISENGAGED.—Locum or permanency; thoroughly per enced man, middle-aged; unqualified; moderate arguments, 11 Kingsdown Road, Holloway, N.19.

DISENGAGED.—Excellent West-end and Continental ence, fluent French, exceptional Dispensing experience as Dispenser and Book-keeper to medical man; thorough lodge Surgery routine. "W.," 74 Brecknock Road, Lon

SPENSER, Book-keeper, Surgery Attendant; 4½ years in recent situation. "Alpha," c/o Drs. Fearnly, 21 Devons recent situation. , Bow, E.3.

DERLY Pharmaceutical Chemist, experienced L.C.C. Hospitals Locum, as Dispenser, Hosnital Pharmacy, Surgery, I., or Cover, temporary or permaneut; part-time enterd; disengaged July 9. "Ph.C.," 1 Vicars Hill, Ladywell, tham, S.E.13.

DERLY Pharmacist, healthy and active, good Prescriber and Dispenser, wants post. J. Brown, 49 Henry Street, on, nr. Blackburn.

VIOR-requires situation; recently finished apprenticeship; moderate salary; excellent Photo, Dispensing, and Counter ledge. "Williams," 2 Flathouse Road, Portsmouth.

DY Dispenser (qualified), with experience, requires Locum work in or near Hull. Miss Bygate, 119 Boulevard, Hull.

Y (27), Minor qualification, eleven years' experience Dispensing and Retail, requires post with Chemist, Doctor, esale firm, or Institution; London; good references. 105/9, of this Paper.

DY Dispenser-Book-keeper desires post (Hall qualification); 12 years' experience; highest references and testimonials. 3, Office of this Paper.

UM; experienced; take entire charge; August 27 and onwards; abstainer; terms moderate; London or provinces. rmacy," c/o Webster, Chemist, Parkgate, Rotherham.

UM, qualified; disengaged; Prescriber; elderly, active; wide experience; reliable. B. Griffiths, 6 Newcastle Hill, end, Glam.

TUM, disengaged, 30 years' record experience (12 years' management); highest credentials; any period; distance terial; 70s. outdoors; fares. Munslow, Redditch.

UM.—Pharmacist (1915), residing Manchester, seeks Locum work in district; highest reference. Apply, 103/7, of this Paper.

UM, first-class, is disengaged June 24 to July 1 and ugust 12 to 16 inclusive; only dates left; moderate salary. um," c/o James, Chemist, Builth Wells, Wales.

UM work wanted by middle-aged Scotsman; total bstainer; fully qualified; knowledge all class trades. Write The Grove, Lake Road, Verwood, Dorset.

P.S., 23; good references; 7 years' experience Dispensing and Photographic; free August. 101/21, of this Paper.

P.S., F.S.M.C.—Reliable business man, thoroughly exbility; £7 weekly. 104/38, Office of this Paper.

tT.TIME.—Woman Dispenser (Hall); book-keeper, typist; goon and evening; London or near. Write, 102/39, Office is Paper.

ARMACEUTICAL Chemist, 25; single; 3½ years' war ervice; sound theoretical and practical experience; Liver-listrict preferred. M.L. 812/2313, Office of this Paper.

ALIFIED, 24, abstainer, requires situation; experienced in all branches; excellent references. R. S. Hoare, 14 Trey Road, Falmouth.

ALIFIED Chemist; elderly; Hospital or Institution; 11 ears' Hospital experience. "Chelsea," 22 Bramerton ars' Hospital experience. Chelsea, S.W.3.

ALIFIED Manager requires fortuight's Locum from June 30; London. "L. M." (P.C.B. 43/14), Office of this

ALIFIED lady desires permanent or Locum post, Doctor, Institution, Chemist; good experience. Burrows, 61 St. Place, Kennington, S.E.

LIFIED, young, energetic; 12 years' West-End and allound experience, desires Managership or other responsible in; disengaged. "W. G.," 52 Finborough Road, S.W.10.

LIFIED Assistant (34), will act as Cover or otherwise; ood experience. "Statim," 24 Eaton Terrace, Belgravia,

ALIFIED (36); experienced Dispensing, Photographic, indow-dressing, management; excellent references; London Reply 104/3, Office of this Paper.

FISTERED Branch, Small.—Prescriber, Super, etc.; roderate salary. Address, "D.," 5 Walter Street, Idle, ord.

SON; temporary or permanent; Senior; nnqualified; any strict; can take charge; 7 years' present berth; Dispensing, graphy; excellent references. Please state salary. 105/19, of this Paper.

ATION as Apprentice required in Retail Chemist's; good timonials and education. C. Graham, 459 Old Kent Road,

QUALIFIED Junior requires situation; 3 years' previous experience; Counter and Dispensing; good references. 0, Office of this Paper.

YOUNG lady requires situation to Chemist, any capacity. M. Williams, 37 Burgoyne Road, Harringay, N.11.

55/- WEEKLY.—Pharmacist, elderly, requires situation; excellent Dispensing and Prescribing experience; fully qualified all branches. "Pharmacist," 66 Vancouver Road, Forest Hill, S.E.25.

 $56^{\rm S.}$  weekly or offer; advertiser wishing to gain further expenser and Counterman; abstainer; unregistered. "Cortex," 29 Bedford Road, Clapham, S.W.

£2 WEEKLY.—Unqualified Dispenser, at present in London suburban Pharmacy, desires change; district or salary immaterial. 105/18, Office of this Paper.

#### WHOLESALE.

A.R.C.S., B.Sc., 1st class hons., 22; Public School Russian; experience as Assistant in Research Laboratories and with Gas Company. M.L. 53201. Office of this Paper.

A CAPABLE man who has done pioneer work for one of the most up-to-date Packed Proprietary Houses is open to engagement either as Representative, or would consider proposition to organise Sales Department of progressive firm. 106/70, Office of this Paper.

A RESPONSIBLE Managerial position is sought by advertiser who has had wide experience both of the Retail and Wholesale sections of Pharmacy; one who can bring with him a pulsating enthusiasm allied to an acute and trained mind, the capacity to get the right things done, and the confidence born of past success. P.C.B. 43/17, Office of this Paper.

A S Assistant Chemist (Works or Research), 24, B.Sc. (Hons.), Lond.; good knowledge of French, Physics and Maths.; 3 years' war service; willing to take any position to suit qualifications. M.L. 4467/22, Office of this Paper.

A SSISTANT, 41; married; knowledge of Optics, Photography, Surgical Goods, Wholesale Dry Salting, Pickles, Sauces and Jam Making, Packed Goods; experience of Mineral Water trade, including making of Cordials, Non-alcoholic Beverages and Essences; has experience Traveller in above in North of Engiand and South of Scotland; willing to take any position. M.L. 99264, Office of this Paper.

A SSISTANT Chemist (Works, Laboratory), 28, Public School, B.Sc. Inter. (Lond.); French fairly fluent, some German scientific knowledge both languages; has had some commercial experience; willing to take any post. M.L. 4772/22, Office of this Paper.

A SSISTANT Manager or Secretary, 34, B.A.; married; training in Engineering and Chemistry; 3 years' experience Government Training Department; expert training and experience with paper-making firm as Chemist and Manager; good organiser and disciplinarian; excellent references and testimonials. M.L. 1606/23, Office of this Paper.

BACTERIOLOGIST and Pharmacist, 28; 5 years' war service; M.P.S.; 5 years' Laboratory experience in Bacteriology; willing to take any post. M.L. 1456/23. Office of this Paper.

CHEMIST'S Assistant, 27, desires post as Traveller; good Salesman; excellent references; well educated and pleasant; Welshman. 103/9, Office of this Paper.

COMPRESSED TABLETS.—A capable, energetic man, thoroughly experienced in Granulating, Compressing and Coating, also Pills, Toilet Lines, etc., requires position with good progressive firm; age 32; salary moderate. 102/17, Office of this Paper.

FORELADY desires post in any capacity in factory; 4½ years' excellent references. M. Bush, 24 Sisters Avenue, S.W.11.

HOME or Abroad.—Appointment wanted by Works Chemist with Geological training; age 30. Box V. 661, Lee & Nightingale, Advt. Offices, Liverpool.

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